

# SCHOLARLY ACTIVITY IN THE HONORHEALTH DERMATOLOGY RESIDENCY PROGRAM

## 2022- 2023 EXECUTIVE SUMMARY

### Overview

Clinical training focused on medical knowledge alone is not sufficient to prepare Dermatology residents for the practice of medicine. As part of improving patient care, residents must be well-versed in inquiry: research, quality improvement, leveraging human and electronic resources, and applying research findings to patient care.

The Scholarly Activity Program (SAP) for Dermatology provides residents with a strong foundational skillset, ensuring effectiveness in evaluating the care of the patient with best practices and proficiency in critical appraisal of peer-reviewed literature that supports a pattern of lifelong learning. Residents learn and implement principles of how research and Quality Improvement (QI) are conducted, evaluated, explained to patients, and applied to patient care. The Scholarly Activity Program is designed to help fulfill the residency program's practice-based learning competencies and milestones. Scholarly activities of residents and faculty are documented and assessed regularly as part of the Dermatology Residency annual program evaluation process and are also assessed through the ACGME and program annual faculty and resident surveys.

This executive summary is organized into three parts. In Part I, scholarly activity processes and structures are identified and described. Part II provides details regarding resources in place to support scholarly research activities. Part III includes a list of recent resident and faculty activities (list includes current and previous core faculty with the transition of leadership in July 2022).

# PART I – Processes for Scholarly Activity & Research

The Scholarly Activity Program is administered through a variety of teaching strategies, including didactics sessions, engaged participation in QI or research projects, journal club, and presentations at residency-based conferences (Grand Rounds, M&M, etc.). Residents are also required to regularly submit scientific abstracts, posters and/or manuscripts to professional associations and publishers with the intent to present at conferences or publish in peer-reviewed journals. The sections below provide further details for each type of scholarly activity.

*See Appendix A for didactics schedule example*

## Faculty Research and Scholarly Activity

Dermatology faculty are required to demonstrate involvement in resident scholarly activity by providing guidance and support to residents and participating in clinical discussions and conferences. Faculty are responsible for committing and scheduling a portion of their time to supporting the scholarly activities of residents. During such time, faculty may provide direct consultation and advisement on scholarly topics, the research process, or provide ongoing guidance throughout a project's entire timeline. Faculty also select peer-reviewed and clinically significant research articles for residents to review, appraise and present during journal club activities.

Faculty are also responsible for the development and implementation of their own scholarly activities in order to expand their own knowledge base and contribute to the body of literature in their specialties. To foster faculty interest and engagement in research, HonorHealth offers a faculty development series as well as workshops provided through the ResQIPS program (see below). In addition, teaching faculty are required to participate in clinical discussions and conferences along with on-site faculty development and training. All faculty are encouraged to participate in national and regional professional organizations.

An inventory of faculty scholarly activities can be found in Part III of this summary.

## Journal Club

Journal club is designed to expand skills in appraisal and assimilation of evidence from scientific studies. It is a bi-monthly, resident-led, interactive session under the supervision of core faculty and faculty members with content expertise relevant to the topics chosen for presentation. Reading assignments and participation are mandatory. Journal club activities are intended to assist residents in critically analyzing their own care against the most up-to-date information on diagnosis and treatment effectiveness.

## Grand Rounds

Each academic year, the HonorHealth Academic Affairs department sponsors a required bimonthly Grand Rounds series for all HonorHealth residents, fellows, and core faculty focusing on topics pertaining to the institution's clinical learning environment (CLE). These educational sessions cover a range of topics as defined in the ACGME Common Program requirements to ensure compliance and oversight of the clinical learning environment at both the institutional and program levels. Specific topics include patient safety event reporting and disclosure, fatigue mitigation/impairment, well-being, empathic communication, just culture, scholarly activity, diversity/equity/inclusion in the workplace, healthcare disparities, transitions of care, and professionalism. Topics are revised each academic year based upon the clinical learning environment experience and feedback from residents, fellows, and the sponsoring institution's academic affairs leadership.

In addition HonorHealth offers several other grand round series (IM, FM, etc), giving PGY2 and PGY3 residents an opportunity to present clinical topics. Residents may also have opportunity to present at the residency offerings for Grand Rounds as part of their external rotations (Veteran's Affairs Medical Center, PCH, etc)

## ResQIPS Curriculum and Workshop Series

HonorHealth has developed an innovative framework and curriculum called ResQIPS (Research, Quality Improvement and Patient Safety), linking education and support on research and QI/PS activities to scholarship, and with the intent of increasing scholarly projects and improving outcomes. ResQIPS is designed to support the advancement of research, quality improvement and scholarship for the network's medical residency and fellowship programs and, more broadly, across multiple disciplines in the network. The ResQIPS learning objectives are as follows:

- Design a significant clinical question that aligns with the ResQIPS Framework
- Describe the steps involved in conducting investigator-initiated human subject research & prepare for IRB application submission
- Use Quality data and tools to support practice or improvement initiatives
- Describe methodology and design considerations for QI and Research projects
- Identify tools, resources and mentors needed to support research activities
- Develop a scholarly project
- Collect and analyze data
- Disseminate findings through local, regional or national presentations and/or through peer-reviewed journal article publication

ResQIPS didactics include grand rounds presentations, faculty development sessions, workshops. 'snippet sessions' (short, 15-minute presentations on a research topic of interest), ResQIPS newsletters, 1:1 mentoring sessions, and statistical consultations. Fellowship/Residency, Faculty and IPE projects are showcased to the organization in poster and presentation sessions annually.

## National and Local Conference Presentations

Residents are expected to present a scholarly research project at a local, regional and/or national meeting. Presentations may include a published work, poster and/or podium presentation representing a research project completed during their Dermatology residency. Presentations are prepared under supervision of residency faculty and/or physician researcher. All residents are expected to submit abstracts to the Gross and Microscopic Session of the Annual American Academy of Dermatology Meeting and PGY-3 and PGY-4 residents are encouraged to attend. Residents also participate in Phoenix Dermatologic Society Meetings and have previously attended many sub-specialty meetings, including the ODAC Dermatology, Aesthetic and Surgical Conference, the American Osteopathic College of Dermatology meeting, the American Society of Dermatopathology meeting, and the American Society for Dermatologic Surgery meeting.

Residents' scholarly projects are frequently submitted to the annual "Academic Excellence Day", sponsored by the University of Arizona, College of Medicine Phoenix, which is designed for residents and fellows and includes poster and oral presentations of case reports and research projects. Selection of showcased projects is through a competitive abstract selection process overseen by the ResQIPS Manager and the ResQIPS team. Those selected compete in a poster and or/oral presentation competition that is judged by UA-College of Medicine faculty and invited GME faculty from various organizations.

## Community Service & Education

Residents will be required to participate in community events focused on delivering medical care to underserved or impoverished areas of the population. Tracking and recording of these efforts will be required.

Community service activities for residents:

- Public health presentations (skin cancer awareness and prevention) to businesses, living facilities and schools throughout the valley
- 1-hour credit for each hour of doing skin screenings (senior care organizations, retirement communities, local employers, health fairs, races and other venues)
- Volunteer time for non-profit health agencies (Arizona Skin Cancer Foundation, Cancer Society, etc) – 1-hour credit for each hour worked.
- Volunteer work with Church and/or Youth Groups – 1-hour credit for each hour worked.
- Other volunteer work for credit must be approved in advance by the Program Director.

## Quality Projects & Teams

All residents are required to participate in a quality team and/or a quality improvement project within the base hospital institution or the Veteran's Affairs Medical Center. Residents complete CITI human subject protections training at the start of their residency and are trained regarding the organization's policies and processes for reporting medical errors and near misses. Quality projects focus on quality measures, patient safety, efficient workflows, improved patient outcomes, or risk management.

## Scholarly Research Project

All residents receive didactic training from research faculty on research methodology, study design, biostatistics, appraisal and application of evidence-based medicine, ethics in the context of research, developing research questions, and disseminating and presenting results of research projects. Residents also attend HonorHealth's Research, Quality Improvement and Patient Safety sessions (ResQIPS) which are collaborative, interprofessional events planned by Academic Affairs, Quality, HonorHealth Research Institute, Center for Clinical Excellence and Library Services. Academic Affairs also subscribes to IHI Open School which offers QI and Patient Safety modules to the residents. Residents are encouraged to complete these modules during their residency and may be assigned one or more modules for completion as part of their didactics requirements, especially if deemed relevant to implementation of their scholarly project.

**SCHOLARLY RESEARCH PROJECT** Residents are required to be actively working on a QI or research project throughout residency with the goal to complete a scholarly research project annually. Projects must be reviewed and discussed with the program director, mentor/advisor, ResQIPS Program Manager or a faculty advisor. Appropriate timelines will be determined to complete QI project or research. Program Directors will not sign off on promotion and/or program graduation if QI or research projects are incomplete.

In-house active research projects include:

- Tissue bank collection for melanoma, squamous cell carcinoma and basal cell carcinoma tumors.
- Genomic studies in patients at high risk for melanoma and other cancers.
- Survey studies.

More research projects and funding are being developed as the program continues to grow.

## Morbidity & Mortality Conference

M&M Conferences have been integrated into didactics beginning June 2023. Residents will participate in interprofessional review of patient complications and discussion of action steps to prevent similar events in the future. Cases can include unexpected deaths, delay in care or diagnosis, procedural complication, avoidable medical events, or near miss events such as medication errors, lab events or errors, or failure to act. When appropriate Root Cause Analysis (RCA) is included as part of the discussion. During each session, the goals, guiding principles and privileged nature of the discussion and materials are introduced. Format includes timeline discussion and identification of cognitive errors, systemic errors, and solutions based on scientific evidence. Sessions are directed and supervised by a Board-Certified physician and focus is on education and potential patient care or system improvement. The discussion will be summarized, and a list of action items or best practices may be developed.

## Residents As Teachers

Residents have multiple opportunities to practice and develop their teaching skills. In addition to the teaching demands required from daily interaction with patients, families, and other health care professionals, residents participate hands-on teaching and mentoring during medical student clerkships or teaching a didactics session for one of the GME Residency Programs. Faculty model and mentor teaching skills on clinical rounds, in didactics sessions, through committee work, and in nearly all aspects of clinical practice for which they provide supervision. Residents have numerous opportunities to teach and counsel patients. These interactions are frequently supervised by faculty, offering opportunities for feedback and improvement. As residents advance through training, they are expected to take on a greater teaching role, including teaching more junior residents and leading interactive didactics sessions.

Multiple tools are utilized to assess and provide feedback for improvement on skills at educating patients, families, students, and peers. Faculty provide daily, face-to-face feedback on resident teaching skills. Residents incorporate this real-time feedback into their daily practice. At the conclusion of each rotation, residents are evaluated by faculty in the six ACGME competencies, including issues relevant to their teaching performance. Residents review these evaluations at the end of each rotation. Medical students complete an evaluation form on residents involved in their instruction. Resident peers are periodically called upon to evaluate each other. Teaching skills are included in this assessment. Finally, the faculty advisors and Program Director provide a semiannual Milestone review at which feedback from all these sources is provided. Residents utilize this feedback to improve upon their teaching skills.

# PART II - Resources for Scholarly Activity & Research

## Dermatology Residency Program Resources

The Dermatology Residency Program provides access to HonorHealth resources and dermatology-specific resources including the “Landmarks in Cutaneous Biology” series from the Journal of Investigative Dermatology. HonorHealth also subscribes to AccessDermatologyDxRX for resident and faculty use. This comprehensive online resource is devoted to the study, instruction, and practice of dermatology and includes self-assessment tools such as board review and test prep, a selection of cases, and an extensive multimedia library of 15,000+ optimized images and flash cards, 400+ procedure videos, and more.

Other program-specific resources include a Dermatology Residency Resource Guide, (<https://azhin.org/honorhealth/resderm>), tailored to the program and curated by the HonorHealth librarians, and which includes specialty e-journals and ebooks, videos and podcasts, links to professional organizations, and other dermatology resources housed together in one guide for ease of access.

Academic Affairs has purchased Bridge, a learning management system software for the administration, tracking, reporting and delivery of educational course content as well as training and development programs. This will offer additional resources and learning modules most of which can be accessed “on demand” at a convenient time for busy residents and faculty. Implementation is in process.

Residents are also required to attend the American Academy of Dermatology’s Basic Science course at the annual meeting at least once during residency and participate in Phoenix Dermatologic Society Meetings.

## HonorHealth Library Resources

**ACCESSIBILITY** HonorHealth Osborn Medical Center, Shea Medical Center and John C Lincoln Medical Center libraries provide 24/7 access to single workstations as well as meeting/collaboration space. In 2021 at Thompson Peak Medical Center, a physical library site will be incorporated into a new Learning and Simulation Center at that campus. The libraries also maintain a Web-based library portal which is available on-site through the employee intranet and off-site through Athens (authentication software). Librarians provide mobile app support for several key resources:

- UpToDate clinical decision support system
- Elsevier’s ClinicalKey resource which contains the FirstConsult clinical decision support system along with thousands of high-impact electronic textbooks and journals, practice guidelines, over 340 procedure/skills videos, image library and PresentationMaker component to support presentations
- Micromedex drug information, IV compatibilities, drug/herbal/food interactions, other pharmaceutical tools & calculators; also includes Pediatric Essentials & NeoFax Essentials

- Access Medicine, Access Emergency Medicine, Access Medicine Dermatology and Access Medicine Physiotherapy series

**LIBRARIAN SUPPORT** A wide range of library services are provided by the HonorHealth librarian team, which consists of 4.0 FTE American Library Association accredited medical librarians. Outside of physically staffed hours at each location, librarians can be emailed or contacted by phone at the health science library locations.

Personalized services available at HonorHealth libraries include:

- Mediated (librarian-assisted) literature searching using databases and search engines that access published and unpublished evidence (results delivered with 48 hours of receiving request)
- Mediated “state of the science” literature reviews, including a synopsis of findings and critical appraisal of the literature, to support patient care needs
- Mediated searching for acute & chronic disease management and general health & wellness information for patients & families (results delivered within 48 hours of receiving request)
- Research consultations, including research question brainstorming and development using the PICOT algorithm, identification of appropriate resources for searching, search strategy development and database manipulation guidance
- Citation management, presentation and publishing support, including identification of appropriate journals to consider for submission and formatting, reference lists and footnoting support according to publisher’s instructions for authors.
- Document retrieval & delivery (delivery frequently same-day, otherwise 1-3 days of receiving request)
- One-on-one and small group training on all library databases & tools, ranging from quick overviews of resources & research tools to advanced/expert search strategy training
- Technical assistance and training for the UpToDate clinical decision website and mobile app, the ClinicalKey site and mobile app, the Micromedex suite and mobile apps, and the Access Medicine platform.
- Meeting and collaboration space, which includes an LCD TV and conference table with electrical outlets
- Provision of reliable, easy-to-read, evidence-based consumer health & wellness resources for patients & families as well as for residents & faculty as they communicate with and educate their patients
- Health literacy consultation services, including review of proposed patient education & discharge instructions and recommendations to improve readability and comprehension, which improves patient outcomes overall and reduces hospital readmissions

**CONTENT** HonorHealth Library Services provide access to numerous print & electronic resources. Many have been acquired through membership to the Arizona Health Information Network (AZHIN), a statewide



consortium uniting communication technology and resource access in the Arizona health care and health education communities. Other resources are acquired through Library Service's operation budget and HonorHealth Foundation funding. Resources include:

- Evidence-based medicine (Cochrane Library, Access Medicine, UpToDate, FirstConsult)
- Journal literature databases (PubMed, Ovid Medline, Ebsco Medline with Full Text, CINAHL Complete, Health Business Elite)
- Research and scholarly project tools (research instruments/scales, theses/dissertations)
- Faculty resources (ProceduresConsult, Teacher Reference Center)
- eBooks, Full-text (ClinicalKey, Access Medicine and EM, TDS (formerly STAT!Ref), Ovid Books)
- eJournals, Full-text (JAMA and JAMA Archives, Lancet, NEJM, and thousands more through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections)
- Drug information (Micromedex and Lexi-Comp via UpToDate)

*See Appendix B for detailed descriptions of these resources.*

**CONTENT – SUBJECT-SPECIFIC** HonorHealth Library Services provides access to a variety of electronic and print resources to directly support the educational & reference needs of Dermatology residents & faculty, including textbooks, journals and multimedia content.

## HonorHealth Research Institute

The HonorHealth Research Institute (HRI) provides both institutional and scientific review for all research activities at the organization, including the scholarly projects of residents and faculty. All research performed at HonorHealth is based on scientific principles and carried out using the highest quality standards. The HRI assists in setting the standard for excellence in personalized healthcare by developing a culture of inquisitiveness, leading to the provision of the best evidence-based medicine to patients and the community. HRI provides the following:

- research administration staff responsible for ensuring that all research performed at HonorHealth is in compliance with relevant state and Federal requirements and that it fulfills the HonorHealth mission;
- documentation to guide researchers through the process of both investigator- and sponsor-initiated studies;
- guidance on scientific and institutional review board submissions;
- access to human subject protections training;
- access to local resources, including statisticians and other personnel experienced in research;
- Office of Sponsored Programs (OSP), which is responsible for supporting researchers in the identification and submission of grants.

## PART III – INVENTORY OF SCHOLARLY ACTIVITIES

### Resident Activities

#### PUBLISHED JOURNAL ARTICLE/ABSTRACT/CHAPTER/SUBMITTED MANUSCRIPT

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Baltazar, D	PGY4	Accepted Manuscript: Baltazar, D, Zeitouni, NC, Patel, N, Moser, J. Neoadjuvant use of PD-1 Inhibitors: A tale of two cases. Accepted to the Journal of Drugs in Dermatology. June 2023 issue	6/2023 (accepted 12/22)
Baltazar, D	PGY4	Baltazar D, Shinamoto SR, Hamann CP, Hamann D, Hamann CR. Occupational airborne allergic contact dermatitis to invasive Compositae species treated with abrocitinib: A case report. Contact Dermatitis. 2022 Dec;87(6):542-544. PMID: 35980345.	12/2022 (accepted 8/22)
Baltazar, D	PGY4	Starzyk T, Olsen R, Baltazar D, Sledge B, Mengesha Y. Mucocutaneous drug reaction after treatment with Phosphatidylinositol-3-kinase inhibitor. JAAD Case Rep. 2021 Nov 16;19:25-27 PMID: 34926749	11/2022
Darnell, A	PGY 3	Darnell A, Sall, D, Bay, C. "Types and prevalence of adverse skin reactions associated with prolonged N95 and simple mask usage during the COVID-19 pandemic" <i>J Eur Acad Dermatol Venereal</i> 2022 Oct.36(10):1805-1810.	10/2022
Darnall, A	PGY3	Submitted Manuscript: eosinophilic granulomatosis case study, Modern Rheumatology Case Reports	Fall 2022
Darnall, A	PGY3	Anaeme AN, Darnall AR, Anaeme K. Clinical efficacy of human split-thickness skin allograft in patients with pyoderma gangrenosum: a case series. <i>Wounds</i> . 2022 Jun;34(6):165-174. PMID: 35881426.	06/2022
Charest, G	PGY3	Monsivais JJ, Herber A, Charest G, Ogunleye D, Weaver M. Comparative Study of 2 Bone Anchors Using a Limited Open Procedure for the Management of Distal Radioulnar Joint Instability. <i>Hand (N Y)</i> . 2021 Dec 28: PMID: 34963344.	12/2021

#### PRESENTATIONS/POSTERS

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Baltazar, D	PGY4	Presentation (abstract submission) "Mohs Micrographic Surgery vs Wide Local Excision in Merkel Cell Carcinoma: A Meta-Analysis" ACMS, May 2023	5/2023 (pending acceptance)
Baltazar, D	PGY4	Presentation (abstract submission) "Rising Cost of Sutures" ACMS, May 2023	5/2023 (pending acceptance)
McBride, M. Charest, G Vigil, N	PGY4 PGY3 PGY2	Presentation (abstract submission) "Vesicubullous presentation of polymorphous eruption of pregnancy", Gross and Micro Presentation, AAD Annual Meeting, New Orleans, LA Mar 17-21 2023	3/2023 Pending acceptance
Baltazar, D Darnall, A	PGY4 PGY3	Presentation (abstract submission) "Vulvar Melanoma Presenting in Li Fraumeni Syndrome", AAD Annual Meeting, New Orleans, LA Mar 17-21 2023	3/2023 pending acceptance

Charest, G McBride, M	PGY3	Presentation (abstract submission) "EBV Associated Angioimmunoblastic T Cell Lymphoma" AAD Annual Meeting, New Orleans, LA Mar 17-21 2023	3/2023 (pending acceptance)
Charest, G Chandra,A	PGY3 PGY2	Presentation (abstract submission) "Spirocytindromatosis" AAD Annual Meeting, New Orleans, LA Mar 17-21 2023	3/2023 (pending acceptance)
Vigil, N	PGY2	Presentation (abstract submission) "DEB-Pretibial" AAD Annual Meeting, New Orleans, LA Mar 17-21 2023	3/2023 (pending acceptance)
Baltazar, D	PGY4	Poster Presentation: Elastic Scattering Spectroscopy, 2022 Innovations in Dermatology Meeting	11/2022
Darnall,A Vigil, N	PGY3 PGY2	Presentation: "Recalcitrant Facial Dermatitis" HonorHealth Grand Rounds, Scottsdale AZ	11/15/22
Chandra, A	PGY2	Presentation "Cutaneous Metastasis of Lung adenocarcinoma" Grand Rounds, Phoenix AZ	11/17/22
Chandra, A	PGY2	Presentation "Kaposi Sarcoma" Grand Rounds, Phoenix AZ	11/10/22
Chandra, A	PGY2	Presentation "Vasculitis" Grand Rounds, Phoenix AZ	10/27/22
Charest,G	PGY3	Presentation (abstract submitted) "Rare Cutaneous Metastasis of Renal Cell Carcinoma to Lateral Thigh" 59 <sup>th</sup> American Society of Dermatopathology, Chicago, IL Oct 20-23, 2022	10/22/22
Darnall, A	PGY3	Presentation "Cutaneous Prostate Cancer", VA Grand Rounds, Phoenix AZ	7/21/22
Charest, G	PGY3	Presentation: "An Unusual Genetic Variant: A Case of PTCH1 Negative Gorlin Syndrome", AAD Conference 2022, Boston MA	3/22
Darnall A	PGY3	Poster Presentation (winner top poster) "Types and Prevalence of Adverse Skin Reactions Associated With N95 and Simple Mask Usage during the COVID-19 Pandemic", San Diego Dermatology Symposium, March 11-13,2022	3/22
Baltazar, D	PGY4	Presentation: "Neoadjuvant Treatment with PD-1 Inhibitors Prior to Surgical Resection in High-Risk SCC: Case series and Literature Review." Dr. Monheit's 30 Years of Mohs Fellowship Celebration	3/22
Baltazar, D	PGY4	Presentation: "PDT and the Treatment of Bowen's Disease: A Review. Dr. Monheit's 30 Years of Mohs Fellowship Celebration."	3/22

## COMMUNITY SERVICE:

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Baltazar, D	PGY4	Be a Sun Hero, Kindergarten education on Sun safety, Archways, Scottsdale AZ	02/23
Baltazar, D	PGY4	AAD Spot Skin Cancer, Skin Screenings, HonorHealth DV and TPK Medical Centers, Phoenix and Scottsdale	2/25/23/ 3/11/23
Baltazar, D	PGY4	Doctor of the Day, AZ Capitol (providing dermatologic care as needed)	1/30/22/ 2/21/23

**PROFESSIONAL ACTIVITY/COMMITTEE PARTICIPATION**

<b>Trainee Name</b>	<b>PGY Year</b>	<b>Name of Committee or Professional Organization</b>	<b>Completion Date</b>
Baltazar, D.	PGY4	American Medical Association	Present
Darnall, A.	PGY3	American Medical Association	Present
Charest, G	PGY3	American Medical Association	Present
Baltazar, D.	PGY4	American Academy of Dermatology	Present
Charest, G	PGY3	American Academy of Dermatology	Present
Chandra, A	PGY2	American Academy of Dermatology	Present
Vigil, N	PGY2	American Academy of Dermatology	Present
Baltazar, D.	PGY4	American Society for Dermatological Surgery	Present
Charest, G	PGY3	American Society for Dermatological Surgery	Present
Chandra, A	PGY2	American Society for Dermatological Surgery	Present
Darnall, A	PGY3	American Society for Dermatological Surgery	Present
McBride, M.	PGY4	American Academy of Dermatology	Present
Vigil, N	PGY2	American Contact Dermatitis Society	Present
Charest, G	PGY3	American Contact Dermatitis Society	Present
McBride, M.	PGY4	American Contact Dermatitis Society	Present
McBride, M.	PGY4	American Society for Dermatologic Surgery	Present
Vigil, N	PGY2	Phoenix Dermatology Society	Present
Chandra, A	PGY2	Phoenix Dermatology Society	Present
Darnall, A	PGY3	Phoenix Dermatology Society	Present
Darnall, A	PGY3	Women’s Dermatologic Society	Present
Chandra, A	PGY2	Women’s Dermatologic Society	Present
Darnall, A	PGY3	American Women’s Society	Present
Darnall, A	PGY3	American Academy of Dermatology	Present
Charest, G	PGY3	American Osteopathic Association	Present
Baltazar, D	PGY4	Chairman, Resident and Fellow Section (2022-2023), Secretary (2020-22), Legislative and Governmental Affairs (Jan 2022) Arizona Medical Assn, Board of Delegates Meeting, “Halting Medicare Budget Cuts” (in progress)	2020-23
Baltazar, D	PGY4	Resident Director, Board of Directors, AZ Medical Association	April 2022-23
Baltazar, D	PGY4	Liaison, HonorHealth Leadership Council (HLC)	2020-2023
Baltazar, D	PGY4	Academic Institutional Review (AIR) Committee	Jan-June 2022
Baltazar, D	PGY4	Joint AZ Dental Assn-AZ Medical Assn Workgroup regarding SB1074	Jan 2022
Baltazar, D	PGY4	Melanoma Task Force, AZ Dept HHS	2021-22
Darnall, A	PGY3	HonorHealth Cutaneous Tumor Board	Present
Baltazar, D	PGY4	HonorHealth Leadership Curriculum Committee	Dec 2021-July 2022
Baltazar, D	PGY4	IRB Committee	Aug 2021-Jan 2022
Baltazar, D	PGY4	Special Review Committee, Clinical Informatics ACGME site visit preparation	July 2020

## QI PROJECTS/SCHOLARLY PROJECTS IN DEVELOPMENT

1=Project Identified, 2=Literature review, 3=Proposal development, 4=Data collection and analysis, 5=Presentation/publication

Project/Protocol	Residents (PGY)	Mentor(s)	Project Status*
<p>QI Project: Implementation of a standardized Checklist to Reduce Pre-Surgical, Procedural and Post-Surgical Complications in Dermatologic Surgery</p> <p><u>Description:</u> Create and implement a standardized surgical checklist to identify key patient characteristics, thereby reducing risk of complications in dermatologic surgery in the outpatient clinic.</p>	<p>Charest (PGY 3) Darnall (PGY 3) Vigil (PGY 2) Chandra (PGY2) Baltazar (PGY4) McBride (PGY4)</p>	<p>Charest (lead) R Haddad</p>	4
<p>QI Project: Revised Lab/Office Protocol for Biologic Therapies</p> <p><u>Description:</u> Development and implementation of new evidence-based protocol for monitoring Biologic Therapies (TNF alpha, IL 17, IL 12/23 and IL 23 inhibitors) to ensure patient safety.</p> <p><u>Results:</u> Enhanced patient safety and reduction of healthcare costs through reduced frequency of office and lab visits (potential patient satisfier as well although not measured in this project) Anticipated cost savings 19%(Yr1), 28%(by Yr2), and 34% (by Yr 5)</p>	<p>Charest (PGY3)</p>	<p>Sledge (lead) Lin</p>	5 – completed in 2021
<p>QI Project: Decreasing Cutaneous Infection Rates in Dermatologic Surgery</p> <p><u>Description:</u> Evaluated surgical infection rates (pre/post) after a review of practice protocols and update of protocols for antiseptic use</p>	<p>Baltazar (PGY4)</p>	<p>Blumetti</p>	4,5
<p>QI Project: IRB Review Process Streamlining</p> <p><u>Description:</u> Facilitated committee to streamline process for IRB-exempt projects and improved turnaround time for exempt decisions</p>	<p>Baltazar (PGY4)</p>	<p>Radhakrishnan</p>	Completed in 2021; ResQIPS workgroup now formed to support
<p>PCH: Cutaneous Manifestations of Crohn’s Disease in Pediatric Patients</p>	<p>McBride (PGY 4)</p>	<p>Price</p>	3
<p>PCH: Group A strep mimicking Eczema Herpeticum (Case Report)</p>	<p>McBride (PGY4)</p>	<p>Price</p>	4
<p>OTC mole Removal (Case Report)</p>	<p>McBride (PGY4) Darnall (PGY3)</p>	<p>C Hamann</p>	3
<p>Elastic Scattering Spectroscopy (Prospective study)</p>	<p>Baltazar (PGY4)</p>	<p>Zeitouni</p>	5
<p>Sebaceous Carcinoma with attenuated FAP</p>	<p>Baltazar (PGY4)</p>		2,3,4
<p>Sirolimus and the effects on derm surgery</p>	<p>Baltazar (PGY4)</p>	<p>Haddad</p>	3 (IRB approval in process)

Project/Protocol	Residents (PGY)	Mentor(s)	Project Status*
Cost of Suture (Retrospective study)	Baltazar (PGY4)	Wall	3,4
Cutaneous Prostrate AC (case report)	Darnall (PGY3)	Estrada	3,4
Neglected Giant BCC causing IDA	Vigil, N(PGY2)	Ranum	4,5
Melanoma reconstruction: Large site repair	Darnall (PGY3)	Lam	3
Dermatology Referral to Wound	Darnall (PGY3)	Anaeme	1,2
Accutane in Clinic Patients (QI)	McBride (PGY4) Darnall (PGY3) Charest (PGY3)	Shedlofsky (Lead)	1,2
Prepubertal HS (Case Series)	Darnall (PGY3)	Dupuy	1,2,3
Inconsistencies in Pregnancy Dermatitis	Darnall (PGY3)	C Hamann	1,2
DM masking ACD (case report)	Darnall (PGY3)	C Hamann	1,2
Nodular Fasciitis (case report)	Darnall (PGY3)	C Hamann	1,2

*1=Project Identified, 2=Literature review, 3=Proposal development, 4=Data collection and analysis, 5=Presentation/publication*

# Faculty Activities

## PRESENTATIONS/POSTERS

Faculty Name	Scholarly Project Title
Davis, T	Presentation: Forth Worth Dermatology meeting, August 2022.
Hastings, K.	Presentation: Hastings, K. Biomarker development for early phase clinical trials for melanoma prevention, SWOG (Southwest Oncology Group) Cancer Research Network, Spring Group Meeting, April 2022, Seattle, WA.
Moser, J	Poster Submission/Presentation: Alexander I Spira, Melissa Lynne Johnson, Justin C Moser, Ai Ren, Varsha Sundaresan, Ines Verdon, Gilad Gordon, Laurence Turka, Sivan Elloul <u>A Phase 1/2 Study of RTX-224, an Engineered Red Blood Cell Expressing 4-1BB Ligand and Membrane-Bound IL-12, for the Treatment of Patients with Select Advanced Solid Tumors</u> , American Society of Clinical Oncology annual meeting, June 3-7, 2022
Moser, J	Poster Submission/Presentation: Yusra F Shao, Yasmine Baca, Joanne Xiu, Ari VanderWalde, Gino Kim In, Dave SB Hoon, Evidio Domingo-Musibay, Sourat Darabi, Burton Larry Eisenberg, Takami Sato, Geoffrey Thomas Gibney, Hirva Mamdani, Justin C Moser <u>Immune profiling of metastatic uveal melanoma and response to immune checkpoint inhibitors.</u> , ASCO meeting, June 3 2022
Davis, T	Presentation: Annual AAD Meeting, Basic Self-Assessment of Dermatopathology, Boston, MA, March 25-29 2022
Hastings, K.	Presentation: Hastings, K. Immune recognition of melanoma. Reimagine Health: Health and Disease over the Lifespan, Phoenix, AZ, February 2022 (virtual).
Hastings, K.	Presentation: Borden ES, Adams AC, Buetow KH, et al. (2022) Shared gene expression and immune pathway changes associated with progression from nevi to melanoma. Translational Advances in Cancer Prevention Agent Development, Division of Cancer Prevention, NCI
Hastings, K.	Presentation: Macy AM, Adams AC, Hastings KT. (2022) Role of GILT and MHC class II in melanoma cells on regulating the anti-tumor immune response. American Association of Immunologists Annual Meeting, Portland, OR
Hastings, K.	Presentation: Adams AC, Borden ES, Macy AM, et al. (2022) Novel cutaneous squamous cell carcinoma cell lines constrained by T cell-mediated immune responses. Society for Investigative Dermatology Annual Meeting, Portland, OR
Moser, J.	Poster Presentation: Amin A, Pavlick A, Lee C, et al. "Long-term outcomes in patients with BRAF-mutant advanced melanoma: a real-world study. ESMO Immuno-Oncology Congress, December 8-11, 2021, Geneva Switzerland
Moser, J.	Poster Presentation: El-Khoueiry A, Bullock A, Tsimberidou, et al."AGEN1181, an Fc-enhanced anti-CTLA-4 antibody, alone and in combination with balstilimab (anti-PD-1) in patients with advanced solid tumors: Initial phase I results." SITC 36 <sup>th</sup> Annual Meeting & Pre-Conference Programs, November 10-14, 2021, Washington, DC.
Moser, J.	Poster Presentation: Moser J, Harding S, Soldi R, et al. "First in Human Early Feasibility Study of Tumor-Treating Fields (TTF) in Combination with Nivolumab and Ipilimumab in Patients with Metastatic Uveal Melanoma (UM)". Society for Melanoma Research, 18 <sup>th</sup> International Congress, New Orleans, Louisiana, October 28-31, 2021.

Moser, J.	Poster Presentation: Moser J, Pavlick A, Poretta T, et al. "Real-world outcomes of patients with resected stage IIIA melanoma treated with adjuvant nivolumab or under observation". Society for Melanoma Research (SMR), 18th International Congress, New Orleans, Louisiana (Hybrid Congress), October 28–31, 2021
Moser, J	Poster Presentation: M Voskoboynik, JC Moser, N Lakhani, M Millward et al, "NEON-1: a first-in-human phase I open-label study of ALPN-202, a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies", AACR (Virtual) Annual Meeting, July 2021
Moser, J.	Presentation: Moser J, Voskoboynik M, Lakhani N, et al. "First-in-Human dose escalation of ALPN-202, a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies (NEON-1)". ASCO Annual Meeting, June 2021
Hastings, K.	Presentation: Hastings, K. Immune response to cutaneous squamous cell carcinoma, Head and Neck Clinical Research Team Translational Research Meeting, University of Arizona Cancer Center, Tucson, June 2021
Davis, T	Presentation: American Academy of Dermatology Association Summer Meeting, Tampa FL, Aug 5-8
Hastings, K.	Presentation: Hastings, K. Antigen presentation and regulation of T cell-mediated immune response in skin cancer, Cancer Biology GIDP Seminar Series, University of Arizona, Tucson, April 2021
Hastings, K.	Presentation: Borden ES, Phung TN, Buetow KH, LaFleur B, Wilson MA, Hastings KT. (2021) Penalized regression analysis identifies features of the peptide:MHC class I interaction and mRNA expression as key to prioritizing neoantigen immunogenicity. American Association of Immunologists Annual Meeting
Hastings, K.	Presentation: Adams AC, Macy AM, Saboda K, Dickinson SE, Glembocki DJ, Roe DJ, Hastings KT. (2021) Solar simulated light induces cutaneous SCC in inbred mice: a clinically relevant model to investigate T cell responses. Society for Investigative Dermatology Annual Meeting
Hastings, K.	Presentation: Sertil A, Castro-Ochoa K, Wijeratne K, et al. (2021) Natural product-based induction of cancer cell death combined with immunotherapy for melanoma treatment. 6th Annual Arizona Biomedical Research Commission – Flinn Research Conference, Phoenix AZ & 7th Annual Arizona Biomedical Research Commission – Flinn Research Conference, Phoenix AZ
Hastings, K.	Presentation: Macy AM, Adams AC, Castro-Ochoa KF, et al. (2021) Role of GILT and MHC class II in melanoma cells on regulating the anti-tumor immune response. 6th Annual Arizona Biomedical Research Commission – Flinn Research Conference, Phoenix AZ
Moser, J.	Presentation: Tolcher A, Chung V, Babiker H, et al. "Initial results from a Phase 1 study of SM08502, a pan-CDlike kinase inhibitor, in subjects with advanced solid tumors". American Association for Cancer Research, April 10-15, 2021
Moser, J.	Presentation: Darabi S, Elliott A, Braxton D, et al. "Whole Transcriptome Sequencing Reveals Oncogenic Fusions in Melanoma". American Association for Cancer Research, April 10-15, 2021
Moser, J.	Presentation: Voskoboynik M, Moser J, Lakhani N, et al. "Peng NEON-1: a first-in-human phase I open-label study of ALPN-202, a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies". American Association for Cancer Research, April 10-15, 2021



Moser, J.	Presentation: Baron K, Nevala-Plagemann C, Moser J, et al. "Survival outcomes based on sequence of therapy using FOLFIRINOX and nab-paclitaxel + gemcitabine in metastatic pancreatic ductal adenocarcinoma". ASCO GI 2020 Symposium. 2020
Price, H.	Presentation: Price, H. "Pediatric dermoscopy – why you can't live without it" Annual Practical Course in dermoscopy & Update on malignant Melanoma 2020. Phoenix, AZ. December 2020
Estrada, S.	Poster Presentation: Shedlofsky L, Niemann A, Mullen H, et al. "Perineural Invasion and Metastasis of a Neglected Basal Cell Carcinoma". 25 <sup>th</sup> Annual Academic Excellence Day, University of Arizona College of Medicine, Phoenix, AZ. (May 2021);
Estrada, S	Poster Presentation: Estrada S, et al. "Performance of a Diagnostic 35-Gene Expression Test (GEP) on Difficult-to-Diagnose Melanocytic Lesions". World Melanoma Conference. (April 2021).
Estrada, S	Poster Presentation: Estrada S, et al. "Development, Validation and Clinical Utility of the 35-Gene Expression Test for Use as an Adjunctive Melanoma Diagnostic Tool". Medical Dermatology Summit, South Beach, FL. (February 2021).
Essary, A.	Presentation: Peng W, Zdrate G, Bremer S, et al. Analyzing High-Need, Under-Representation Populations to Guide Health Policy". The National Health Policy Conference, AcademyHealth. (February 16-18, 2021).
Essary, A.	Presentation: Zdrate G, Chen W, Bremer S, et al. Identifying High-Cost Patients with SDOH to Guide Resource Allotment and Health Policy". 2021 Health Datapalooza, AcademyHealth. (February 16-18, 2021).
Estrada, S.	Poster Presentation: Cockerell A, Goldberg M, Estrada S, et al. "Performance of a 35-Gene Expression Profile Test in Suspicious Pigmented Lesions of the Head and Neck". 18 <sup>th</sup> Annual Winter Clinical Dermatology Conference, Koloa, HI (January 2021); Maui Dermatology Conference, Maui, HI (January 2021).
Essary, A.	Presentation: Essary AC, Reddy SB. "Clinician burnout – Fostering resilience and empathy to meet the quadruple aim". International Forum on Quality and Safety in Healthcare, Copenhagen. (2020).
Hamann, CR.	Presentation: Hamann, CR. "Dermatologic manifestations of SARS-CoV2 and other coronaviruses". New England Dermatologic Society Spring Didactic Meeting, 2020.
Hastings, K.	Presentation: Hastings, K. Understanding how the immune system fights skin cancer: role of the MHC class II antigen presentation pathway in immune recognition of melanoma. American Physician Scientist Association Western Regional Annual Meeting, Tucson, AZ, December 2020
Essary, A.	Presentation: Bremer S, Peng W, Zdrate G, et al. "Applying an Evidence-based Equity Framework for High-cost, High-need Populations". The 13 <sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health, Academy Health. (December 15-17, 2020).
Essary, A.	Presentation: Canakis J, Momjian M, Yousefian F, et al. "Building a community of experts in medication-assisted treatment (MAT) using the Project ECHO model". The 13 <sup>th</sup> Annual Conference of the Science of Dissemination and Implementation in Health, Academy Health. (December 15-17, 2020).
Essary, A.	Presentation: Champlin KA, Norris C, Peng W, et al. "Implementation of a novel fit tool to reduce N95 waste during the COVID-19 pandemic.". The 13 <sup>th</sup> Annual Conference of the Science of Dissemination and Implementation in Health, Academy Health. (December 15-17, 2020).
Essary, A.	Presentation: Keole N, Essary AC, Schneider D, et al. "ResQIPS: a structured curriculum to improve research understanding and participation". American Academy of Physical Medicine & Rehabilitation Annual Assembly, San Diego, CA. (November 12-15, 2020).
Estrada, S	Poster Presentation: Young B, Shedlofsky L, Blumetti B et al. "Primary Cutaneous CD4+ Small/Medium Sized Pleomorphic T Cell Lymphoproliferative Disorder: A Case Report and Review of the Literature". America College of Physicians – Arizona Chapter. Phoenix, AZ. (November 2020).
Lin, C.	Poster Presentation: Miranda-Cacadac L, Baltazar D, Shedlofsky L. "ALT Mimicking a Drug Eruption". American College of Physicians – Arizona Chapter, Phoenix, AZ. (November 2020).

Estrada, S.	Poster Presentation: Estrada S, O'Neill B, Zolocheska K, et al. "Development and validation of a diagnostic gene expression profile test for ambiguous or difficult-to-diagnose suspicious pigmented skin lesions". The American Society of Dermatopathology Annual Meeting. (October 2020).
Essary, A.	Presentation: Coplan B, Burwell N, McDaniel J, et al. "Pros and cons of standardized exams in the admission process". PAEA Annual Education Forum – Virtual/Live. (October 21, 2020).
Matthews, M.	Presentation: Thornburg D, Swanson S, Matthews M, et al. "Adjunct Modalities in Trauma and Burn Hand Surgery". 75 <sup>th</sup> Virtual Annual Meeting, San Antonio, TX. (October 1, 2020)
Matthews, M.	Presentation: Thornburg D, Elebrashi Y, Richards N, et al. "Prognostic Indicators Leading to Upper Extremity Amputations in the Burn Population". American Society of Plastic Surgery. (September 2020)
Price, H.	Presentation: "Pediatric Dermatologic Surgery – approach to pyogenic granulomas and epidermal nevi". Society for Pediatric Dermatology Annual Meeting. July 2020.
Hamann, CR.	Presentation: Hamann, CR. "Dermatologic care of the transgender patient". Dartmouth-Hitchcock Department of Dermatology Grand Rounds, July 2020.
Essary, A.	Presentation: Essary AC, Schneider D. "The ResQIPS framework – An interprofessional curriculum in research, quality improvement, and patient safety for new physicians". Association for Hospital Medical Education, Ft. Lauderdale, FL. (May 13-15, 2020); International Forum on Quality and Safety in Healthcare, Copenhagen. (2020).
Essary, A.	Presentation: Essary AC. "The ResQIPS framework – An interprofessional curriculum in research, quality improvement, and patient safety". The 16 <sup>th</sup> Annual AAMC Health Workforce Research Conference, Bethesda, MD. (May 6-8, 2020).
Essary, A.	Presentation: White A, Essary AC. "Project ECHO: Expanding Workforce Capacity to Better Serve High Need Patients Across Arizona". The 16 <sup>th</sup> Annual AAMC Health Workforce Research Conference, Bethesda, MD. (May 6-8, 2020).
Lin, C.	Presentation: Manway M, Lin C. "Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis". Internal Medicine Grand Rounds, HonorHealth Thompson Peak Medical Center, Scottsdale, AZ. (April 2020).
Price, H.	Presentation: Price, H. "Gorlin Syndrome: Childhood and Early Life Experiences" Gorlin Syndrome Alliance Regional Conference- Scottsdale, AZ. February 2020
Essary, A.	Presentation: Reddy SB, Essary AC. "Reducing burnout by scaling best practices". Society for Academic Continuing Medical Education, Miami, FL. (February 18-21, 2020).
Essary, A.	Presentation: Essary AC, Schneider D. "Building research capacity in residency education using the health systems science framework". Society for Academic Continuing Medical Education, Miami, FL. (February 18-21, 2020).
Essary, A.	Presentation: Will K, Essary AC. "Competency-based Interprofessional Continuing Education Focusing on Systems Thinking and Healthcare Delivery: A Novel Approach to Promote Lifelong Learning for Healthcare Professionals". Society for Academic Continuing Medical Education, Miami, FL. (February 18-21, 2020).
Lin C, Newman A.	Presentation: Newman A, Lin C. "Skin Cancer for the Non-Dermatologists Part I". Dermatology Grand Rounds, HonorHealth Thompson Peak Medical Center, Scottsdale, AZ. (January 2020).
Matthews, M.	Presentation: Matthews M. "Case Series Presentation Using Dehydrated Human Amnion/Chorion Membrane (dHACM)". 42 <sup>nd</sup> Boswick Symposium, Maui, HI. (January 2020)
Matthews, M.	Presentation: Matthews M, Mellon C, Helmick E, et al. "Limb Salvage Dehydrated Human Amnion/Chorion Membrane (dHACM) with Decellularized Human Extracellular Matrix (dHEM) Can Prevent Amputation". 42 <sup>nd</sup> Boswick Symposium, Maui, HI. (January 2020)
Hastings, K.	Presentation: Adams AC, Macy AM, Cui H, et al. (2020) Solar simulated light induces cutaneous SCC in inbred mouse strains: development of a clinically relevant mouse model. Society for Investigative Dermatology Annual Meeting

Hastings, K.	Presentation: Hastings K, Rausch MP, Meador LR, et al. (2020) GILT in thymic epithelial cells facilitates central CD4 T cell tolerance to a tissue-restricted, melanoma-associated self antigen. Annual Meeting of the American Association of Immunologists
Hastings, K.	Presentation: Borden ES, Kang P, Natri HM, et al. (2020) Predicted immune recognition of cutaneous squamous cell carcinoma decreased by low expression of neoantigens and MHC class I. American Physician Scientist Association Western Regional Annual Meeting
Hastings, K.	Presentation: Adams AC, Macy AM, Saboda K, et al. (2020) Development of a clinically relevant cutaneous squamous cell carcinoma murine model. American Physician Scientist Association Western Regional Annual Meeting
Hastings, K.	Presentation: Gunatilaka L, Sayers T, Hastings K, et al. (2020) Natural products-based induction of cancer cell death combined with immunotherapy for melanoma treatment. 5th Annual Arizona Biomedical Research Commission – Flinn Research Conference, Phoenix AZ
Essary, A.	Presentation: Schneider D, Essary AC. “ResQIPS, an interprofessional program to increase engagement in research, quality improvement, and patient safety”. IHI Scientific Symposium, Orlando, FL. (2019).
Essary, A.	Presentation: Schneider D, Essary AC. “Medical librarians as curricular designers in quality improvement and patient safety”. Learn Serve Lead 2019: The AAMC Annual Meeting, Phoenix, AZ. (November 12, 2019).
Price, H.	Presentation: Price, H. “What lesions should be biopsied in kids and why?” 14 <sup>th</sup> Annual Practical Course in Dermoscopy & Update on Malignant Melanoma 2019. Phoenix, AZ December 2019
Hastings, K.	Presentation: Hastings, K. High GILT expression and an active and intact MHC class II antigen presentation pathway are associated with improved survival in melanoma. Arizona Conference on Developing Therapeutics for Cancer and Immunology, Phoenix, AZ, December 2019.
Essary, A.	Presentation: Radhakrishnan P, Essary AC. “Promoting Foundational Lifelong Learning: Advancement of Research and Scholarship through the ResQIPS Framework”. Learn Serve Lead 2019: The AAMC Annual Meeting, Phoenix, AZ. (November 12, 2019).
Matthews, M.	Presentation: Quan A, Hechtman A, Opie D, et al. “Leclercia adecarboxylata and Lower Extremity Necrotizing Fasciitis”. Symposium for Advanced Wound Care, Las Vegas, NV. (October 2019)
Matthews, M.	Presentation: Delapena S, Spadafore P, Bollenbach S, et al. “Incontinence-Associated Dermatitis Presenting as a Chemical Burn”. Symposium for Advanced Wound Care, Las Vegas, NV. (October 2019)
Estrada, S.	Oral Presentation: Estrada S, Caruso H, Covington K, et al. “The 31-gene expression profile test independently predicts risk of recurrence within histopathologic subtypes of cutaneous melanoma”. The American Society of Dermatopathology Annual Meeting. (October 2019)
Estrada, S.	Poster Presentation: S. Estrada, F. Monzon, C. Cockerell. “Identification of T1 melanoma patients at low risk for a positive sentinel lymph node (SLN) using a 31-gene expression profile (31-GEP)”. The American Society of Dermatopathology Annual Meeting. (October 2019)
Matthews, M.	Presentation: Thornburg D, Swanson S, Elebrashi Y, et al. “Prognostic Indicators for Upper with Lower Extremity Amputations in a Verified Burn Center”. American Society of Plastic Surgery. (September 2019)
Moser, J.	Poster Presentation: Moser JC, Wei G, Colonna SV, et al. “Comparative-Effectiveness of Pembrolizumab vs. Nivolumab for patients with metastatic melanoma.” ESMO Congress 2019
Vanig, T.	Presentation: Vanig T. “Implementation Strategies for Citywide Rapid Start Program: Collaboration among stakeholders organized by the City of Phoenix Fast Track Cities Initiatives (FTCI)” Miami and Fast Track Cities Conference 2019, London, UK. (September 9, 2019)
Vanig, T.	Oral Presentation: Vanig T. “Rapid ART Start in Newly/Previously Diagnosed HIV Treatment Naïve Patients in The City of Phoenix: Ryan White and Private Clinic Early Outcomes” Miami and Fast Track Cities Conference 2019, London, UK. (September 9, 2019)

Essary, A.	Presentation: Essary, A. "Developing a questionnaire for your research project". Annual Faculty Development Workshop, University of Maryland, Prince George's Hospital Center, Department of Graduate Medical Education. (September 7, 2019).
Essary, A.	Presentation: Essary, A. "Educational Research". Annual Faculty Development Workshop, University of Maryland, Prince George's Hospital Center, Department of Graduate Medical Education. (September 7, 2019).
Essary, A.	Presentation: Essary, A. "Speaking for success – practical tools for case studies, research, and QI projects". Annual Faculty Development Workshop, University of Maryland, Prince George's Hospital Center, Department of Graduate Medical Education. (September 7, 2019).
Essary, A.	Presentation: Essary, A. "How to effectively provide feedback to medical students and residents". Annual Faculty Development Workshop, University of Maryland, Prince George's Hospital Center, Department of Graduate Medical Education. (September 7, 2019).
Vanig, T.	Presentation: Vanig T. "Implementation Strategies for Citywide Rapid Start Program: Collaboration among stakeholders organized by the City of Phoenix Fast Track Cities Initiatives (FTCI)" Adherence Conference 2019. (June 17, 2019)
Price, H	Presentation: Price, H. "Doctor should I be worried? Recognizing common and uncommon birthmarks". 2019 Pediatrics in the Red Rocks. Sedona, AZ June 2019
Price, H	Presentation: Price, H. "Things that go "bump" in the night! Diagnosing common lumps and bumps in the pediatric population". 2019 Pediatrics in the Red Rocks. Sedona, AZ June 2019
Price, H	Presentation: Price, H. "More than skin deep: atopic dermatitis guidelines and updates in 2019". 2019 Pediatrics in the Red Rocks. Sedona, AZ June 2019
Price, H	Presentation: Price, H. "Derm rounds: a day in the life of the inpatient consult service". 2019 Pediatrics in the Red Rocks. Sedona, AZ June 2019
Lin C.	Poster Presentation: Gomez M, Sharer R, Lin C. "A Skin Biopsy Workshop for Internists to Improve Diagnostic Evaluation of Dermatologic Disease in a Primary Care Clinic". (May 2019)
Estrada S, Bar, J, & Lam S.	Poster Presentation: D. Mullens, T. Lam, S. Estrada, J. Barr. "HPV-related invasive SCC on the palm of a 34-year-old healthy female". University of Arizona School of Medicine, Phoenix, AZ. (May 2019)
Matthews, M.	Presentation: Matthews M. "KCI Wound VAC Therapies". Beach Gardens JFK, VA Medical Center and Baptist Medical Center, Florida. (May 2019).
Essary, A.	Presentation: Curtis G, Essary AC. "Meet the Expert: Gender, equity, and current state of the profession". AAPA Annual Conference. (May 9-11, 2019).
Lin C, Newman A	Presentation: Newman A, Lin C. "Erythroderma". Internal Medicine Grand Rounds, HonorHealth Thompson Peak Medical Center, Scottsdale, AZ. (April 2019).
Manway M, Newman A.	Presentation: Manway M, Newman AJ, Barr J. "Dermatitis Artefacta Mimicking Pyoderma Gangrenosum". AOCD 2019 Spring Conference, Orlando, FL. (April 10, 2019).
Essary, A.	Presentation: Wilbur K, Snyder C, Reddy S, et al. "Developing workforce diversity in the health professions". American Educational Research Association. (April 5-9, 2019).
Essary, A.	Presentation: Stone N, Essary AC, Lussier M, et al. "The effect of poetry or mindfulness on staff burnout and empathy in hospice care". The Annual Assembly of Hospice and Palliative Care. (March 13-16, 2019).
Price, H	Presentation: Price, H. "Congenital melanocytic nevi". American Academy of Dermatology Annual Meeting. Washington, DC. March 2019

Haddad, RM.	Poster Presentation: Remig KN, Kessler SE, Haddad RM. "Checklist Development and Implementation in Outpatient Dermatology" American Association for Physician Leadership Winter Institute, St. Petersburg, FL, USA. (January 2019)
Estrada, S.	Presentation: Estrada S. "A presentation of my most interesting teaching cases". Affiliated Dermatology Core Faculty and Non-Physician Provider's Meeting. (January 2019)
Hastings, K.	Presentation: Meador LR, Menon H, Lu YK, et al. (2019) High GILT expression and an active and intact MHC class II antigen presentation pathway are associated with improved survival in melanoma. 4th Annual Arizona Biomedical Research Commission Conference, Phoenix, AZ. & 5th Annual Arizona Biomedical Research Commission – Flinn Research Conference, Phoenix AZ
Moser, J.	Poster Presentation: Moser JC, Solomon B, Nevala-Plagemann CD, et al. "Survival of patients with metastatic HER2 positive gastroesophageal cancer treated with second-line chemotherapy plus trastuzumab or ramucirumab after progression on frontline chemotherapy plus trastuzumab." ASCO GI 2019 Symposium. 2019.
Estrada, S.	Presentation: Estrada S. "'What If?' A presentation of 30 of my most challenging cases." Affiliated Dermatology Core Faculty and non-provider meeting. (December 2018).
Price, H.	Presentation: Price, H. "Pigmented lesions in children". Mayo Melanoma and Dermoscopy Meeting. Scottsdale, AZ. December 2018.
Lin, C.	Presentation: Lin C. "Malignant Melanomas (Melanoma Basics)". HonorHealth Thompson Peak Medical Center Internal Medicine Noon Conference, Scottsdale, AZ. (November 21, 2018)
Haddad, R.	Poster Presentation: Haddad RM, Dickman, JS, Racette AJ. "Predictive Value of Positive Margins in Diagnostic Biopsies of Dysplastic Nevi" American Society for Dermatological Surgery Annual Meeting; Phoenix, AZ, USA. (October 2018)
Essary, A.	Presentation: Brown K, Essary AC, Reddy S. "International collaborations to realize health workforce at scale". PLuS Alliance Symposium. (September 10-12, 2018).
Essary, A.	Presentation: Essary AC, Reddy S. "From bench to bedside – applications of neuroscience to improve patient-centered care". PLuS Alliance Symposium. (September 10-12, 2018).
Price, H.	Presentation: Price, H. "Clinicians team – aims and challenges". Nevus International Conference. Paris, France. September 2018.
Price, H.	Presentation: Price, H. "Strategic Research through collaboration – once model". Society for Pediatric Dermatology Annual Meeting. Lake Tahoe, Nevada. July 2018.
Price, H.	Presentation: Price, H. "Nevus 101: the Basics and More! Nevus Outreach, Inc.". Patient Care Conference. Chicago, IL. July 2018.
Estrada, S.	Presentation: Estrada S. "A presentation of 20 of my most interesting cases". Affiliated Dermatology Core Faculty and Non-Physician Provider's Meeting. (July 2018)
Vanig, T.	Presentation: Vanig T. "Fast Tracking Cities' HIV responses through Retention in Care Public Health Implementation Research using a model for Evidence-Informed Decision Making in Public Health" 13 <sup>th</sup> International Conference of HIV Treatment and Prevention Adherence. Miami, FL. (June 8, 2018)
Essary, A.	Presentation: Coplan B, McCall T, Smith N, et al. "Pas and Work-Life Wellbeing". AAMC Health Workforce Research Conference. (May 9-11, 2018).
Essary, A.	Presentation: Essary AC. "Building workforce capacity through partnership: The social responsibility of three international universities". International Forum on Quality and Safety in Healthcare, Amsterdam. (May 2-4, 2018).
Essary, A.	Presentation: Essary AC, White A. "Scalable solutions in health systems science". International Forum on Quality and Safety in Healthcare, Amsterdam. (May 2-4, 2018).
Estrada S, Barr J, Lin C, Averitte R, & Mullens D.	Poster Presentation: Mullens D, Estrada S, Barr J, et al. "A case of perforating granuloma annulare", University of Arizona Academic Excellence Day, Phoenix, AZ. (May 2, 2018)

Price, H.	Presentation: Price, H. "Lumps and Bumps in Childhood: What the General Dermatologist Needs to Know.". Pacific Dermatology society: Spring Training, Medical Therapeutics in Dermatology. Scottsdale, AZ. April 2018.
Barr J, Mullens D, & Averitte R.	Poster Presentation: Mullens D, Seaton K, Hull E, et al. "Use of amniotic tissue derived allografts to promote wound closure post-Mohs micrographic surgery." American Society for Dermatologic Surgery Annual Conference (August 12, 2018); Kenneth A. Suarez Research Day, Glendale, AZ. (April 2018)
Lin C, & Mullens D.	Presentation: Lin C, Mullens D. "Complex Inpatient Dermatology Cases" Grand Rounds, HonorHealth Thompson Peak Hospital, Scottsdale AZ (April 13, 2018)
Estrada S, Barr J, Egnatios GL, Lin C, Mullens D & Averitte R.	Presentation: Mullens D, Estrada S, Barr J, et al. "A case of perforating granuloma annulare", American Osteopathic College of Dermatology Annual Meeting, West Palm Beach, FL. (March 2018)
Mullens D, Barr J.	Presentation: Mullens D, Barr J. "Comprehensive Care for Cutaneous Squamous Cell Carcinoma". Arizona State Association of Physician Assistants, Prescott, AZ (March 08, 2018)
Essary, A.	Presentation: Lussier M, Essary AC." PLuS Alliance Workshop: Humanities in the Anthropocene". Phoenix, AZ. (January 13-15, 2018).
Blumetti, B.	Presentation: Blumetti, B. "Hair Loss" Internal Medicine Residents and Fellows, HonorHealth, Scottsdale, AZ. (2018)
Hastings, K.	Presentation: Meador LR, Menon H, Cui H, et al. (2018) Inflammation induces GILT expression in human melanoma, 3rd Annual Arizona Biomedical Research Commission Conference, Phoenix, AZ.
Hastings, K.	Presentation: Gjorcheska S, Meador LR, Hastings KT. (2018) GILT function in respiratory burst in macrophages. 25th Annual Undergraduate Research Poster Symposium, Arizona State University, Tempe, AZ
Moser, J.	Poster Presentation: Coman G, Moser J, Hyingstrom J, et al. Overall Survival of Patients Treated with Single Agent Ipilimumab or Combination Nivolumab and Ipilimumab in Second Line Setting After Progression on Frontline Anti-PD-1 Therapy. EADO Congress. 2018
Hamann, CR.	Poster presentation: Hamann, CR. "Concordance between light microscopy and whole slide imaging in determining presence of tumor in cutaneous en face frozen sections". Pathology Visions of the Digital Pathology Association 2018.
Hamann, CR.	Presentation: Hamann, CR. "Shoes and gloves may contain cobalt and may be an overlooked source of cobalt exposure". 14th Congress of the European Society for Contact Dermatitis, 2018.
Hastings, K.	Presentation: Meador LR, Menon H, Cui H, et al. (2018) Inflammation induces GILT expression in human melanoma. Annual Meeting of the American Association of Immunologists, Austin, TX
Hastings, K.	Presentation: Meador LR, Rausch MP, Metzger TC, et al. (2018) GILT in thymic tolerance to a self and melanoma antigen. Annual Meeting of the American Association of Immunologists, Austin, TX.

## PROFESSIONAL ACTIVITY/COMMITTEE

Faculty Name	Scholarly Project Title	Completion Date
Reardon, C.	U of A College of Medicine – Electives Committee	(present)
Reardon, C.	U of A College of Medicine – Medical Student Electives Subcommittee	(present)
Reardon, C.	University of Arizona Cancer Center	(present)
Reardon, C.	American Academy of Dermatology	(present)
Reardon, C.	American Association of Immunologists	(present)
Reardon, C.	Society for Investigative Dermatology	(present)
Reardon, C.	American Association for the Advancement of Science	(present)
Reardon, C.	Phoenix Dermatologic Society	(present)

Giancola, JM.	American Academy of Dermatology	(present)
Giancola, JM.	American College of Mohs Micrographic Surgery and Cutaneous Oncology	(present)
Giancola, JM.	American Society of Dermatologic Surgery	(present)
Giancola, JM.	Arizona Dermatologic Society	(present)
Giancola, JM.	Phoenix Dermatologic Society	(present)
Davis, TL.	American Academy of Dermatology	(present)
Davis, TL.	Bexar County Medical Association	(present)
Davis, TL.	Texas Medical Association	(present)
Davis, TL.	San Antonio Dermatologic Society	(present)
Davis, TL.	American Society of Dermatopathology	(present)
Davis, TL.	International Society of Dermatopathology	(present)
Matthews, M.	Arizona Medical Association	(present)
Mussman, J.	Arizona Medical Association	(present)
Matthews, M.	Association of Military Surgeons of the United States	(present)
Kazi, N.	College of American Pathologists	(present)
Vanig, T.	Gay and Lesbian Medical Association	(present)
Vanig, T.	HIV Medical Association/Infectious Diseases of Society of America	(present)
Vanig, T.	International AIDS Society	(present)
Matthews, M.	International Society of Burn Injuries	(present)
Kazi, N.	International Society of Dermatopathology	(present)
Estreda, S.	International Society of Dermatopathology	(present)
Mengesha, Y.	International Society of Dermatopathology	(present)
Mengesha, Y.	Phoenix Dermatologic Society	(present)
Patel, A.	Radiological Society of North America	(present)
Matthews, M.	Reserve Officer's Association	(present)
Matthews, M.	Society for Critical Care Medicine	(present)
Patel, A.	American Society for Therapeutic Radiation and Oncology	(present)
Mussman, J.	American Society of Plastic Surgeons	(present)
Matthews, M.	Society of Laparoendoscopic and Robotics Surgeon	(present)
Kazi, N.	United States and Canadian Academy of Pathology	(present)
Essary, A.	American Academy of Physician Assistants	(present)
Essary, A.	American Public Health Association	(present)
Essary, A.	AcademyHealth	(present)
Essary, A.	Physician Assistant Education Association	(present)
Hamann, CR.	American Contact Dermatitis Society	2018-Present
Hamann, CR.	European Cooperation in Science and Technology	2016-2018
Hamann, CR.	European Society of Contact Dermatitis	2011-Present
Hamann, CR.	American Medical Association	2011-Present
Hamann, CR.	California Medical Society	2011-Present
Hamann, CR.	New England Dermatology Society	2018-Present
Hastings, K.	American Academy of Dermatology	2012 – Present
Hastings, K.	Society for Investigative Dermatology	2010 – Present
Hastings, K.	American Association of Immunologists	2007 - Present
Moser, J.	The Arizona Clinical Oncology Society	(2020 – present)
Moser, J.	Society for Immunotherapy of Cancer	(2019 – present)
Egnatios, G	American Society for Mohs Surgery	(2017 – present)
Casey, M.	American Society of Clinical Pathology	(2017 – present)
Manway, M.	American Society of Dermatologic Surgery	(2017 – present)
Blumetti, B.	Association of Osteopathic Directors and Medical Educators	(2017 – present)
Casey, M.	International Society of Dermatopathology	(2017 – present)
Moser, J.	American Society of Clinical Oncology	(2016 – Present)
Moser, J.	Utah Medical Society	(2016 – 2019)
Barr, J	American Society for Dermatologic Surgery	(2016 – present)
Blumetti, B.	American Society of Mohs Surgery	(2016 – present)
Casey, M.	College of American Pathologists	(2016 – present)
Avirette, R.	Society of Investigative Dermatology	(2016 – present)
Manway, M.	American Medical Association	(2015 – present)

Casey, M.	American Society of Dermatopathology	(2015 – present)
Avirette, R.	MWU- OPTI Research Committee	(2015 – present)
Price, H.	Society for Pediatric Dermatology	(2015 – present)
Avirette, R.	American Telemedicine Association	(2014 – present)
Avirette, R.	Arizona Bio Industry Association	(2014 – present)
Casey, M.	Society of Investigative Dermatology	(2014 – present)
Manway, M.	American Osteopathic College of Dermatology	(2013 – present)
Egnatios, G	American Academy of Dermatology	(2012 – present)
Mullens, D.	American Osteopathic College of Dermatology	(2012 – present)
Price, H.	American Academy of Pediatrics	(2010 – present)
Manway, M.	American Osteopathic Association	(2010 – present)
Price, H.	Arizona Dermatology and Dermatologic Surgery Society	(2010 – present)
Price, H.	Phoenix Dermatologic Society (2010 - present)	(2010 – present)
Price, H.	American Academy of Dermatology	(2009 – present)
Price, H.	Society for Pediatric Dermatology	(2009 – present)
Casey, M	American Medical Association	(2008 – present)
Egnatios, G	Maricopa County Medical Society	(2008 – present)
Blumetti, B.	American Academy of Dermatology	(2007 – present)
Lam, T.	American Academy of Dermatology	(2007 – present)
Lam, T.	American Osteopathic College of Dermatology	(2007 – present)
Blumetti, B.	American Osteopathic College of Dermatology	(2007 – present)
Blumetti, B	American Society for Dermatologic Surgery	(2007 – present)
Moser, J.	Phoenix Dermatological Society	(2006 – present)
Barr, J	American Academy of Dermatology	(2006 – present)
Barr, J	American Osteopathic College of Dermatology	(2006 – present)
Lin, C.	American Society of Dermatologic Surgery	(2005 – present)
Egnatios, G	American Medical Association	(2004 – present)
Blumetti, B.	American Osteopathic Association	(2003 – present)
Lin, C	American Academy of Dermatology	(2002 – present)
Avirette, R.	American Medical Association	(2002 – present)
Lam, T.	American Osteopathic Association	(2002 – present)
Avirette, R.	American Society of Laser Medicine	(2002 – present)
Lin, C.	American Society of Mohs Surgery	(2002 – present)
Avirette, R.	American Society of Mohs Surgery	(2002 – present)
Barr ,J	American Osteopathic Association	(2001 – present)
Avirette, R.	American Academy of Dermatology	(1999 – present)

## PUBLISHED CHAPTER/TEXTBOOK

Faculty Name	Scholarly Project Title
Egnatios, G	Yiannias JA, Egnatios GL, Mullen HE. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. Conn's Current Therapy 2021 1st Ed. Philadelphia, PA: Saunders; Dec 2020 Forthcoming
Price, H.	Price H & Popenhagen M. 2020. Chapter 134: Pain Management. Pediatric Procedural Dermatology [edited by Dr. Andrew C. Krakowski]. Wolters Kluwer Health. Philadelphia, PA, USA.
Price, H.	Price H & Popenhagen M. 2020. Chapter 131: Pain Management. Pediatric Procedural Dermatology [edited by Dr. Andrew C. Krakowski]. Wolters Kluwer Health. Philadelphia, PA, USA.
Price, H.	Price H & Popenhagen M. 2020. Chapter 132: Pain Management. Pediatric Procedural Dermatology [edited by Dr. Andrew C. Krakowski]. Wolters Kluwer Health. Philadelphia, PA, USA.
Price, H.	Casselmann S, O'Haver J, Price H. 2020. Chapter 132: Wet Wrap Therapy. Pediatric Procedural Dermatology [edited by Dr. Andrew C. Krakowski]. Wolters Kluwer Health. Philadelphia, PA, USA



Price, H.	Casselmann S, O'Haver J, Price H. 2020. Chapter 138: Wet Wrap Therapy. <i>Pediatric Procedural Dermatology</i> [edited by Dr. Andrew C. Krakowski]. Wolters Kluwer Health. Philadelphia, PA, USA
Price, H.	Price H & Curtis. 2019. Chapter 15: Improving Scars. <i>Pediatric Dermatologic Surgery</i> 1 <sup>st</sup> Edition. [By Keyvan Nouri (Editor), Latanya Benjamin (Editor), Jasem Alshaiji (Editor), Jan Izakovic (Editor)]. Wiley Blackwell. Oxford, UK
Price, H.	Cojen Y, Price H. 2019. Chapter 14: Complications of Surgery and Invasive Procedures. <i>Pediatric Dermatologic Surgery</i> 1 <sup>st</sup> Edition. [By Keyvan Nouri (Editor), Latanya Benjamin (Editor), Jasem Alshaiji (Editor), Jan Izakovic (Editor)]. Wiley Blackwell. Oxford, UK
Egnatios, G	Yiannias JA, Egnatios GL, Mullen HE. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. <i>Conn's Current Therapy</i> 2020. 1st Ed. Philadelphia, PA: Saunders; Dec 2019. Dec 28
Hamann, CR. Hamann, D.	Hamann D, Hamann CR, Hamann CP. Chapter 14: Allergies to Rubber and Other Elastomers. In: Fowler JF, Zirwas M (eds). <i>Fisher's Contact Dermatitis</i> (7th ed). Phoenix, AZ: Contact Dermatitis Institute; 2019, pp 391-447.
Hastings, K.	Rausch MP, Hastings KT; Innate and adaptive immune responses to cancer; In textbook of <i>Fundamentals of Cancer Prevention</i> ; Springer-Verlag, New York, NY; 2019; Alberts, DS, Hess, LM, eds.; 4th edition.
Hastings, K.	Meador LR, Hastings KT; Gamma-interferon-inducible lysosomal thiol reductase; In textbook of <i>Encyclopedia of Signaling Molecules</i> ; Springer; New York, NY; 2018; Sangdun Choi, ed; 2nd edition.
Egnatios G.	Yiannias JA, Egnatios GL, Mullen HE. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. <i>Conn's Current Therapy</i> 2019. 1st Ed. Philadelphia, PA: Saunders; Dec 2018. Dec 26
Hamann, CR. Hamann, D.	Hamann CR, Hamann D. Metal Allergens in Daily Devices. In: Chen JK, Thyssen JP, eds. <i>Metal Allergy: From Dermatitis to Implant and Device Failure</i> . Berlin, Germany: Springer Publishing, 2018.

## PUBLISHED JOURNAL ARTICLE/ABSTRACT/SUBMITTED MANUSCRIPT

Faculty Name	Scholarly Project Title
Hamann, C	Baltazar D, Shinamoto SR, Hamann CP, Hamann D, Hamann CR. Occupational airborne allergic contact dermatitis to invasive Compositae species treated with abrocitinib: A case report. <i>Contact Dermatitis</i> . 2022 Dec;87(6):542-544. PMID: 35980345
Hastings, K	Borengasser K, Rookwood AC, Solheim JC, et al. Collective re-storying of mentee and mentor experiences in a cancer research education program for American Indian and Alaska Native students, <i>Journal of STEM Outreach</i> ; 2022 Aug; 5(2).
Price, H.	Hebert AA, Browning J, Kwong PC, et al. "Managing pediatric psoriasis: update on treatments and challenges-a review". <i>J Dermatolog Treat</i> . 2022 Aug;33(5):2433-2442.
Moser, J	Moser JC, Salvador E, Deniz K, Swanson K, Tusynski J, Carlson KW, Karanam NK, Patel CB, Story M, Lou E, Hagemann C. "The mechanisms of action of Tumor Treating Fields." <i>Cancer Research</i> . 2022 Jul 15;CAN-22-0887. doi: 10.1158/0008-5472.CAN-22-0887. Epub ahead of print. PMID: 35839284.
Price, H.	Sheu Song J, Huang JT, Fraile Alonso MDC, et al. "Toxic epidermal necrolysis-like acute graft versus-host disease in pediatric bone marrow transplant patients: Case series and review of the literature". <i>Pediatr Dermatol</i> . 2022 Jun 21.

Moser, J	<p>All 7 of these abstracts were published in one conference proceedings supplement - ie the same issue of Cancer Research <i>Cancer Res</i> (2022) 82 (12_Supplement) as part of AACR Annual meeting</p> <p>1) Leonel F Hernandez-Aya, Estelamari Rodriguez, Aparna Nallagangula, Jun Yin, Phillip Walker, Joanne Xiu, Justin Moser, Gino K In, David Spetzler, Geoffery T Gibney, Matthew Oberley, Thuy Phung, Michael Atkins, Dave S Hoon, Wolfgang Michael Korn, Jose Lutzky, <u>Molecular and immunologic characterization of HRAS mutations in a cohort of 6,329 patients with cutaneous melanoma</u> <i>Cancer Research</i> 82 (12_Supplement), 5625-5625</p> <p>2) JC Moser, YF Shao, J Xiu, Y Baca, T Sato, LA Dalvin Sourat Darabi; Michael Korn; Burton Eisenberg; Geoff Gibney; Evidio Domingo-Musibay; Gino In; Dave Hoon; Michael S. Gordon <u>Multi-omics and immune cell profiling of metastatic uveal melanomas</u> <i>Cancer Research</i> 82 (12_Supplement),50-50</p> <p>3) Gino K In, Jun Yin, Phillip Walker, Justin Moser, Joanne Xiu, Kelsey Poorman, Geoffery T Gibney, Matthew Oberley, Thuy Phung, Leonel F Hernandez-Aya, Jose Lutzky, Wolfgang Michael Korn, Michael B Atkins <u>Comprehensive genomic and transcriptomic profiling of acral lentiginous melanoma</u> <i>Cancer Research</i> 82 (12_Supplement),6130-6130</p> <p>4) Oliver Dorigo, Pamela Reilly Contag, Justin Moser, Sandip Pravin Patel, Mark W Frohlich <u>A phase 1 open label, first in human trial to study safety and tolerability of NK-T cells combined with vvDD: An accelerated dose escalation in multiple tumor types</u> <i>Cancer Research</i> 82 (12_Supplement),CT176</p> <p>5) Tithi Ghosh Halder, Shelby Rheinschmidt, Trason Thode, Samuel Sampson, Ryan Rodriguez del Villar, Serina Ng, Alexis Weston, Mohan Kaadige, Jeffery Trent, John Altin, Justin Moser, Erkut Borazanci, Michael Gordon, Anna Larson, Raffaella Soldi, Sunil Sharma <u>3D Tumor models in drug discovery for high throughput analysis of immune cell infiltration</u> <i>Cancer Research</i> 82 (12_Supplement),1878-1878</p> <p>6) Michael Millward, Justin C Moser, Diwakar Davar, Mark Voskoboynik, Nehal J Lakhani, Rachel E Sanborn, Jaspreet Grewal, Ajita Narayan, Mario Sznol, Keren Schieber, Hany Zayed, Christine Dela Cruz, Graciela Perez, Stanford L Peng <u>Monotherapy dose escalation of davoceticept (ALPN-202), a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies (NEON-1)</u> <i>Cancer Research</i> 82 (12_Supplement),CT-041</p> <p>7) Alexis Weston, Trason Thode, Ryan Rodriguez del Villar, Serina Ng, Samuel Sampson, Shelby Rheinschmidt, Tithi Ghosh Halder, Raffaella Soldi, Mohan Kaadige, Srinivas Kasibhatla, Haiyong Han, Justin Moser, Vincent Chung, Joseph Chao, Victoria Villaflor, Daniel Von Hoff, Sunil Sharma <u>TGN-1062 inhibits CDK7 and augments the effects of gemcitabine and nab-paclitaxel in pancreatic cancer models</u> <i>Cancer Research</i> 82 (12_Supplement),3931-3931</p>
Moser, J	<p>Bullock A, Moser J etal, "Botensilimab, a novel innate/adaptive immune activator, plus balstilimab (anti-PD-1) for metastatic heavily pretreated microsatellite stable colorectal cancer", <i>Annals of Oncology</i>, 33, S4, S376, JUNE 01, 2022 DOI: 10.1016/j.annonc.2022.04.453</p>

Moser, J	<p>4 published conference abstracts for ASCO annual meeting, June 2022</p> <p>1) Anna C Pavlick, Asim Amin, Justin C Moser, Tayla Poretta, Leon Alan Sakkal, Andriy Moshyk, Andrew J Klink, Tammy Schuler, Bruce A Feinber Outcomes in patients with resected stage IIIA melanoma treated with adjuvant nivolumab or monitored with observation: A real-world study. <i>Journal of Clinical Oncology</i> 40, no. 16_suppl (June 01, 2022) e21534-e21534.</p> <p>2) Anthony W Tolcher, Andrae Lavon Vandross, Justin C Moser, Michael S Gordon, Katherine Harrop, Robert Lechleider A phase 1/2 dose escalation/expansion study of OR2805 alone or in combination in subjects with advanced solid tumors. <i>Journal of Clinical Oncology</i> 40, no. 16_suppl (June 01, 2022) TPS2693-TPS2693.</p> <p>3) Ursula A Matulonis, Filip Janku, Justin C Moser, Siqing Fu, David S Wages, Catherine A Wheeler, Mikinaga Mori, Susumu Shimoyama, Naoki Yamada, Ruth Ann Subach, Kin Cheung, Timothy Madden, Gary Maier, Mary Johansen, Gerald Steven Falchook A first-in-human phase 1 dose escalation study of FF-10850 (liposomal topotecan) in patients with advanced solid tumors. <i>Journal of Clinical Oncology</i> 40, no. 16_suppl (June 01, 2022) 3101-3101.</p> <p>4) Diwakar Davar, Justin C Moser, Michael Millward, Mark Voskoboynik, Nehal J Lakhani, Rachel E Sanborn, Jaspreet Singh Grewal, Ajita Narayan, Mario Sznol, Stacey R Dillon, Keren Schieber, Hany Zayed, Christine Marie Dela Cruz, Graciela Noemi Perez, Stanford L Peng Dose escalation of davaceticept, a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies (NEON-1). <i>Journal of Clinical Oncology</i> 40, no. 16_suppl (June 01, 2022) 2560-2560.</p>
Price, H.	Phillips GS, Huang A, Augsburg BD, et al. "A retrospective analysis of diagnostic testing in a large North American cohort of patients with epidermolysis bullosa". <i>J Am Acad Dermatol.</i> 2022 May;86(5):1063-1071.
Hastings, K	Adams ACo, Borden ESo, Macy AM, et al. High GILT expression is associated with improved survival in metastatic melanoma patients treated with immune checkpoint inhibition, <i>Cancers</i> ; 2022 Apr 28; 14(9):2200. Impact Factor 6.6
Price, H.	Montoya L, Adams AC, Popenhagen MP, et al. "Intravenous Ketamine Infusion as an Adjunctive Pain Treatment for Erythromelalgia: A Pediatric Case Report". <i>A A Pract.</i> 2022 Apr 13;16(4):e01582.
Hastings, K	Borden ESo, Ghafoor S, Buetow KH, et al. NeoScore integrates characteristics of the neoantigen:MHC class I interaction and expression to accurately prioritize immunogenic neoantigens, <i>Journal of Immunology</i> ; 2022 Apr 1: 208(7):1813-1827. PMID: 35304420; Impact Factor 5.4
Moser, J	Darabi S, Elliott A, Braxton DR, Zeng J, Hodges K, Poorman K, Swensen J, Shanthappa BU, Hinton JP, Gibney GT, Moser J, Phung T, Atkins MB, In GK, Korn WM, Eisenberg BL, Demeure MJ. "Transcriptional Profiling of Malignant Melanoma Reveals Novel and Potentially Targetable Gene Fusions. "Cancers (Basel). 2022 Mar 15;14(6):1505. doi: 10.3390/cancers14061505. PMID: 35326655
Hastings, K	Borden ESo, Buetow KH, Wilson MA, Hastings KT; Cancer neoantigens: challenges and future directions for prediction, prioritization and validation, <i>Frontiers in Oncology</i> ; 2022 Mar 3; 12:836821. PMID: 35311072; Impact Factor 6.2
Price, H.	Goode E, Montoya L, Graham E, et al. Diagnostic and Prognostic Implications of GNAS Inactivation in Sonic Hedgehog-Activated Medulloblastoma: Case Report with Comprehensive Molecular Profiling and Review of Literature. <i>JCO Precis Oncol.</i> 2022 Mar;6:e2100403.
Hamann, CR.	O'Hern K, Chapman MS, Zug KA, Hamann CR. "Expert Opinion on Patch Testing While Receiving Immunomodulatory Therapy: Results of an International Survey Study". <i>Dermatitis</i> 2022, Jan 25.
Hastings, K	Adams ACo, Macy AMo, Kang P, et al; Physachenolide C induces complete regression of established murine melanoma tumors via apoptosis and cell cycle arrest, <i>Translational Oncology</i> ; 2022 Jan; 15(1):101259
Hastings, K	Borden ESo, Adams ACo, Buetow KH, et al; Shared gene expression and immune pathway changes associated with progression from nevi to melanoma, <i>Cancers</i> ; 2021 Dec 21; 14(1), 3

Hastings, K	Adams ACo, Macy AMo, Saboda K, et al; Solar simulated light induces cutaneous squamous cell carcinoma in inbred mice: a clinically relevant model to investigate T cell responses, <i>Journal of Investigative Dermatology</i> , 2021 Dec; 141(12):2990-2993
Hamman, CR.	Thyssen JP, Schuttelaar MLA, Alfonso JH, et al. "Guidelines for diagnosis, prevention and treatment of hand eczema". <i>Contact Dermatitis</i> 2021 Dec 30.
Hamman, CR.	Hamann CR, Duprat G, Dagrosa AT, Mann J. "Desktop Dermatitis": A case series of 7 patients with forearm contact dermatitis from frequent surface cleaning. <i>Dermatitis</i> 2021;32(6):e104-e107
Price, H.	Jahnke MN, O'Haver J, Gupta D, et al. "Care of Congenital Melanocytic Nevi in Newborns and Infants: Review and Management Recommendations". <i>Pediatrics</i> . 2021 Dec 1;148(6):e2021051536
Moser, J	A Amin, AC Pavlick, C Lee, E Chou, Y Zhang, LA Sakkal, J Moser "Long-term outcomes in patients with BRAF-mutant advanced melanoma: A real-world study." <i>Annals of Oncology</i> , 32, S7, S1415-S1416, ESMO ImmunoOncology Congress conference abstract, Dec 2021
Price, H.	Lowe E, Jacobsen JR, Taylor S, et al. "Mycosis Fungoides Preceding Pityriasis Lichenoides et Varioliformis Acuta by Twelve Years in a Pediatric Patient". <i>Am J Dermatopathol</i> . 2021 Dec 1;43(12):e259-e262.
Hamman, CR.	O'Hern K, Liang ST, Dendhoooven E, Aerts O, Zug KA, Hamann CR. "Isothiazolinones Common in Children's Toy Slime". <i>Dermatitis</i> . 2021 Nov-Dec 01;32(6):413-420.
Moser, J	Anthony El-Khoueiry, Andrea Bullock, Apostolia Tsimberidou, Daruka Mahadevan, Breelyn Wilky, Przemyslaw Twardowski, Bruno Bockorny, Justin Moser, Waldo Ortuzar Feliu, Joseph Grossman, Katherine Rosenthal, Steven O'Day, Michael Gordon. "479 AGEN1181, an Fc-enhanced anti-CTLA-4 antibody, alone and in combination with balstilimab (anti-PD-1) in patients with advanced solid tumors: Initial phase I results" <i>Journal for ImmunoTherapy of Cancer</i> 2021;9:doi: 10.1136/jitc-2021-SITC2021.479
Hamann, D.	Hamann D, Hamann C. "Severe airborne allergic contact dermatitis from the invasive species <i>Oncosiphon pilu-liferum</i> (Globe Chamomile)". <i>Dermatitis</i> September/October 2021;32(5):e78-e79
Price, H.	Kang BY, Jacobsen J, Price HN, Andrews ID. Localized eruptive porokeratosis in pediatric patients following treatment of acute leukemia. <i>Pediatr Dermatol</i> . 2021 Sep;38(5):1226-1232.
Moser, J.	Baron K, Wang X, Nevala-Plagemann, et al. "Survival outcomes based on sequence of therapy using FOLIRINOX and nabpaclitaxel + gemcitabine in metastatic pancreatic ductal adenocarcinoma" <i>Pancreas</i> 2021 July
Mullens D, Barr J, Averitte R	Seaton K, Mullens D, Barr J, Hull E, Averitte R. "Use of amniotic tissue-derived allografts post-Mohs micrographic surgery: a preliminary study assessing wound closure rate." <i>Wounds</i> . 2021;33(7):185-191. <a href="https://www.hmpgloballearningnetwork.com/site/wounds/issue/volume-33-issue-7-july-2021">https://www.hmpgloballearningnetwork.com/site/wounds/issue/volume-33-issue-7-july-2021</a>
Hamman, CR.	Baker C, Dwan D, Chen Y, et al. "Unique Challenges Faced by Women in Mohs Micrographic Surgery: A Survey of Members of the American College of Mohs Surgery". <i>Dermatologic Surgery</i> . 2021 July1;47(7):1007-1008.

Moser, J	<p>Three published conference abstracts in same supplement of Cancer Research as part of Cancer Research Conference AACR (virtual) Annual meeting</p> <p>1) Sourat Darabi, Andrew Elliott, David R Braxton, Jia Zeng, Kelsey Poorman, Jeffrey Swensen, Geoffrey T Gibney, Justin C Moser, Thuy Phung, Michael B Atkins, Gino K In, Wolfgang Michael Korn, Burton L Eisenberg, Michael J Demeure Whole transcriptome sequencing reveals oncogenic fusions in melanoma. <i>Cancer Res</i> (2021) 81 (13_Supplement): 2221.</p> <p>2) Mark Voskoboynik, Justin C Moser, Nehal Lakhani, Michael Millward, Diwakar Davar, Wael A Harb, Jing Yang, Gary Means, Kristi Manjarrez, Almudena Tercero, Hany Zayed, Jan Hillson, Christine Dela Cruz, Graciela Perez, Stanford L Peng. NEON-1: a first-in-human phase I open-label study of ALPN-202, a conditional CD28 costimulator and dual checkpoint inhibitor, in advanced malignancies. <i>Cancer Res</i> (2021) 81 (13_Supplement): CT213.</p> <p>3) Anthony Tolcher, Hani M Babiker, Vincent Chung, Edward Kim, Justin Moser, Raghad Karim, Andre Vandross, David Sommerhalder, Aaron J Scott, Marwan Fakhri, Erminia Massarelli, Jeffrey Adams, Joshua Stewart, Carine Bossard, Long Do, Michael White, Darrin M Beaupre, Erkut Borazanci. Initial results from a Phase 1 trial of a first-in-class pan-CDC-like kinase inhibitor (SM08502) with proof of mechanism in subjects with advanced solid tumor. <i>Cancer Res</i> (2021) 81 (13_Supplement): CT112</p>
Estrada S, Mengesha Y, Newman AJ	Sledge B, Newman AJ, Mengesha Y, Estrada SE, Mullen H. Angiolymphoid Hyperplasia with Eosinophilia: Many Syllables, Many Unanswered Questions. Accepted for publication, <i>Journal of Clinical and Aesthetic Dermatology</i> , June 2021.
Moser, J.	Xu TT, Moser JC, Dalvin LA. Uveal melanoma: laboratory advances and new frontiers in patient care. <i>Curr Opin Ophthalmol</i> . 2021 May 1;32(3):301-308. doi: 10.1097/ICU.0000000000000744. PMID: 33606406.
Moser, J	Baron, K., Moser, J. C., Patel, S., Grossmann, K. F., Colonna, S. V., & Hynstrom, J. R. (2021). "Comparative effectiveness of second-line ipilimumab vs. nivolumab in combination with ipilimumab in patients with advanced melanoma who received frontline anti-PD-1 antibodies." <i>Journal of Oncology Pharmacy Practice</i> , 27(3), 555–559. <a href="https://doi.org/10.1177/1078155220924719">https://doi.org/10.1177/1078155220924719</a>
Casey, M Lam, T.	McBride MO, Davis MS, Casey MA, Lam TS. "Acute generalized exanthematous pustulosis associated with coccidiomycosis infection". <i>JAAD Case Rep</i> . 2021 Jan 7;9:36-38. eCollection 2021 Mar. PMID: 33614876
Newman A, Lam T, Mengesha Y	Jafir Z, Shedlofsky L, Newman A, et al. "A Sweet Presentation of a Bitter Disease: Acute Febrile Neutrophilic Dermatitis Associated with Coccidioidomycosis". <i>SKIN The Journal of Cutaneous Medicine</i> . 5(2):174-177. (March 6, 2021).
Hamman, CR.	Wilson JG, German R, Hamann CR, et al. "Comparison of staged excision and Mohs Micrographic Surgery with and without MART-1immunostains for surgical treatment of melanoma of the head, neck, and special sites: a retrospective cohort study". <i>Journal of the American Academy of Dermatology</i> . 2021 Jan;84(1):192-194.
Price, H.	Levin LE, Shayegan LH, Lucky AW, et al. "Characterization of wound microbes in epidermolysis bullosa: Results from the epidermolysis bullosa clinical characterization and outcomes database". <i>Pediatr Dermatol</i> . 2021 Jan;38(1):119-124.
Hamann, CR.	Hamann D, Hamann C. "Response to: Clinical relevance of p-tert-butylphenol-formaldehyde resin (PTBP-FR) contact allergy among general dermatology patients". <i>Contact Dermatitis</i> 84(2):141, 2021.
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# APPENDIX A Didactics Master Schedule

## AY 2022-23 DERMATOLOGY RESIDENCY MONTHLY DIDACTICS SCHEDULE (example: July 2022)

Week	Date	Conference	Resident	Attending	Topic	Location	
Week 1	July 5, 2022	1:00pm-2:00pm	Chapter Review	Dr. Baltazar/Dr. McB	Dr. Haddad	B - Basic Principles of Dermatology	Phx VA
		2:00pm-3:00pm	Chapter Review	Dr. Baltazar/Dr. McB	Dr. Haddad	B - Anatomy/Physiology of the skin Part	Phx VA
	July 6, 2022	8:00am 9:00am	Chapter Review	Dr. McBride	Dr. Haddad	E - The basics part 1	Phoenix VA
		9:00am - 10:00am	Chapter Review	Dr. McBride	Dr. Haddad	E - The basics part 2	Phoenix VA
		10:00am - 11:00am	Chapter Review	Dr. McBride	Dr. Haddad	Approach to the Dermatologic Skin Exa	Phoenix VA
		11:00am - 12:00pm	Chapter Review	Dr. McBride	Dr. Haddad	The basics of the skin biopsy	Phoenix VA
July 7, 2022	1:00pm-2:00pm	Faculty Lecture		Dr. Davis	DP - Introduction to Dermopath	Phoenix VA	
	2:00pm-3:00pm	Faculty Lecture		Dr. Davis	DP - Introduction to Dermopath	Phoenix VA	
Week 2	July 12, 2022	8:00am 9:00am	Chapter Review	Dr. Darnall	Dr. Haddad	B - Anatomy/Physiology of skin part 2	Phoenix VA
		9:00am - 10:00am	Chapter Review	Dr. Charest	Dr. Haddad	B - Skin Development and Maintenance	Phoenix VA
		10:00am - 11:00am	Chapter Review	Dr. Charest	Dr. Haddad	B - Skin Development and Maintenance	Phoenix VA
		11:00am - 12:00pm	Case Review	Dr. McBride	Dr. Haddad	Intro: Morphology Description/Reaction	Phoenix VA
	July 13, 2022	1:00pm-2:00pm	Chapter Review	Dr. Darnall	Dr. Haddad	B - Molecular Biology Part 1	Phoenix VA
		2:00pm-3:00pm	Chapter Review	Dr. Darnall/Dr. Chare	Dr. Haddad	B - Molecular Biology Part 2	Phoenix VA
3:00pm-4:00pm		Chapter Review	Dr. Charest	Dr. Haddad	B - Immunology	Phoenix VA	
July 14, 2022	8:00am 9:00am	Faculty Lecture		Dr. Davis	DP - Spongiotic Reaction Pattern	Phoenix VA	
	9:00am - 10:00am	Faculty Lecture		Dr. Davis	DP - Spongiotic Reaction Pattern	Phoenix VA	
	10:00am - 11:00am	Chapter Review	Dr. Chandra	Dr. Haddad	H - Cutaneous Disorders of the Newbor	Phoenix VA	
	11:00am - 12:00pm	Chapter Review	Dr. Chandra	Dr. Haddad	H - Cutaneous Disorders of the Newbor	Phoenix VA	
Week 3	July 20, 2022	1:00pm-2:00pm	Chapter Review	Dr. Darnall	Dr. Haddad	B - Psychocutaneous Dermatology	Phoenix VA
		2:00pm-3:00pm	Chapter Review	Dr. Charest	Dr. Haddad	B - Psoriasis Part 1	Phoenix VA
		3:00pm-4:00pm	Chapter Review	Dr. Darnall	Dr. Haddad	B - Psoriasis Part 2	Phoenix VA
	July 21, 2022	8:00am 9:00am	Faculty Lecture		Dr. Davis	DP - Psorasiform Reaction Pattern	Phoenix VA
		9:00am - 10:00am	Chapter Review	Dr. Chandra	Dr. Haddad	H - Papulosquamous Disorders	Phoenix VA
		10:00am - 11:00am	Chapter Review	Dr. Vigil	Dr. Haddad	W - Topical Steroids	Phoenix VA
11:00am - 12:00pm		Chapter Review	Dr. Vigil	Dr. Haddad	W - Systemic Steroids	Phoenix VA	
Week 4	July 27, 2022	1:00pm-2:00pm	Chapter Review	Dr. Charest	Dr. Haddad	B - Erythroderma	Phoenix VA
		2:00pm-3:00pm	Faculty Lecture		Dr. C. Hamann	Kodachrome/Case Review	Phoenix VA
		3:00pm-4:00pm	Faculty Lecture		Dr. C. Hamann	Kodachrome/Case Review	Phoenix VA
	July 28, 2022	8:00am 9:00am	Faculty Lecture		Dr. Davis	DP - Vesiculobullous Reaction Pattern	Phoenix VA
		9:00am - 10:00am	Chapter Review	Dr. Vigil	Dr. Haddad	W - Biologic Therapy	Phoenix VA
		10:00am - 11:00am	Chapter Review	Dr. Darnall	Dr. Haddad	B - Atopic Derm Part 1	Phoenix VA
11:00am - 12:00pm		Chapter Review	Dr. Charest	Dr. Haddad	B - Atopic Derm Part 2	Phoenix VA	
Key:		<b>Faculty Lectures</b> DP Dermopathology Lecture HH Derm GR HonorHealth Dermatology Grand Rounds Case presentation Unknown/Case Presentations with Dr. Haddad PDS Phoenix Dermatology Society HH Derm JC HonorHealth Dermatology Journal Club					
B=Bolgonia							
W=Wolverton							
H=Hurwitz							
Faculty Held Event							
E=Elston							

## APPENDIX B – Description of HonorHealth Library Services Resources

### A. Evidence-based medicine

- The Cochrane Library is a collection of databases that contain high-quality, independent evidence to inform healthcare decision-making. It includes Cochrane Database of Systematic Reviews (CDSR) Cochrane Central Register of Controlled Trials (CENTRAL) and Cochrane Clinical Answers (CCA).
- MedCalc 3000 is a collection of over 520 calculators, clinical criteria sets and decision trees that are indispensable to anyone practicing, teaching or studying evidence-based medicine. With every search you perform, TDS (formerly STAT!Ref) automatically presents links to relevant tools within MedCalc 3000. The complete contents of MedCalc 3000 include: Clinical Criteria Set, Decision Trees, Medical Equations, Unit and Dose Converters, Calculations and Equations by Specialty.
- UpToDate is an ACCME-accredited evidence-based clinical decision support resource provided for healthcare practitioners to help them make the right decisions at the point of care.
- FirstConsult (via ClinicalKey) is an authoritative, evidence-based and continuously updated clinical information resource for healthcare professionals. Designed for use at the point-of-care, it provides instant, user-friendly access to the latest information on evaluation, diagnosis, clinical management, prognosis, and prevention.
- Two-Minute Medicine (via Access Medicine) – concise and curated reviews and summaries of new medical studies. Studies are rated for the appraisal of evidence-based medicine.

### B. Journal literature databases:

- The MEDLINE database is the premier biomedical database in the United States. It contains over 23 million references to more than 5,600 journals in life sciences with a concentration on biomedicine generally dating back to about 1949, with some older material. The subject scope of MEDLINE is biomedicine and health, broadly defined to encompass those areas of the life sciences, behavioral sciences, chemical sciences, and bioengineering needed by health professionals and others engaged in basic research and clinical care, public health, health policy development, or related educational activities. Access is provided via 3 different search platforms: Ovid, EBSCO, and National Library of Medicine (PubMed). All HonorHealth journal content is accessible through link resolvers in all 3 search platforms, making it easy for researchers to access full-text articles in real-time.
- CINAHL (Cumulative Index to Nursing and Allied Health Literature) provides indexing for

more than 3,000 journals from the fields of nursing and allied health. The database contains more than 2.6 million records dating back to 1981. Offering complete coverage of English-language nursing journals & publications from the National League for Nursing and the American Nurses' Association, CINAHL covers nursing, biomedicine, health sciences librarianship, alternative medicine, consumer health and 17 allied health disciplines.

- Health Business Elite database covers the journal literature concerning the business of health care. It provides full-text coverage of more than 130 well-known administrative journals such as H&HN: Hospitals & Health Networks, Health Management Technology, Modern Healthcare, and many others, Critical for hospital administrators and managers, this subset of Health Business™ Elite includes publications covering topics such as staffing, health care regulation, health care facilities management, marketing, finance and more.

#### C. Research/Scholarly Activity and Faculty resources

- A [dedicated research/QI library hub](#) curated by the HonorHealth librarians which covers topics including project design, research projects, IRB preparation and submission, data management and other QI and research needs.
- A [writing hub](#) on the library site with dissemination resources for posters, presentations and publishing
- Research instruments (scientific scales, tests & measurements) from a variety of indexes and sources, such as the American Psychological Association, the National Library of Medicine and ETS.
- Theses & dissertations published by colleges and universities throughout the world (via interlibrary- loan), found in indexes such as ERIC, Networked Digital Library of Theses & Dissertations, OpenTheses.org, Registry of Open Access Repositories (ROAR), and OCLC WorldCat.
- Arizona Department of Health Services (state and local public health data)
- Guidelines Trust (ERCI) and National Quality Measures (from the U.S. Agency for Healthcare Research and Quality)
- TOXNET, a National Library of Medicine database on toxicology, hazardous chemicals, environmental health and toxic releases
- GreenFILE database of published literature concerning environmental issues

#### D. Faculty Resources

- ProceduresConsult (via ClinicalKey) provides over 300 educational videos on procedures in Emergency, Internal Medicine, Anesthesiology, General Surgery, Cardiology and other specialties.
- Teacher Reference Center, an index of 280 peer-reviewed journals for teachers, covering topics like assessment, best practices, continuing education, and curriculum development
- A [faculty development library resource guide](#) curated by the HonorHealth librarians anQI and research, feedback and clinical teaching, ACGME basics, didactic teaching tips and toolkits and personal development

#### E. Textbooks (electronic & print)

- ClinicalKey contains over 1100 medical and nursing e-textbooks and manuals.
- TDS ( formerly STATRef) includes over 140 medical and nursing e-textbooks.
- Ovid Books provides a small collection of LWW medical & nursing reference e-books
- HonorHealth Library Services provides immediate, direct access to over 1,900 clinical texts, 240 leadership & management books, and over 1,800 consumer health & wellness books. These collections cover a wide range of specialty and subject areas (see below). Library Services also provides rapid interlibrary loan (ILL) services for any texts we do not own in our collection. Typical response time on ILL requests is 2 business days. Categories include:
  - a) Primary care/Family Medicine/Internal Medicine
  - b) Obstetrics & Gynecology
  - c) Surgery & Perioperative Care
  - d) Oncology
  - e) Subspecialties including Gastroenterology, Neurology, Orthopedics, Heart & Vascular, Dermatology, Psychiatry, Pediatrics, and Geriatrics
  - f) Business leadership & management
  - g) Health business, management and leadership
  - h) Professional development & certification (“test prep”) materials
  - i) Various consumer health & wellness and chronic disease management topics, in alignment with HonorHealth priorities

#### F. eJournals, Full-text

- JAMA and JAMA Archives, JAMA Dermatology, Lancet, NEJM available electronically
- Thousands of journal titles available through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections (title lists available upon request).

#### G. Drug information

- Micromedex provides information and complete monographs on thousands of drugs. It includes toxicity information, therapeutic doses, pill identification, and dosing calculators. The complete drug monographs in this resource are often considered to be the “gold standard”.
- Lexi-Comp, available through UpToDate, is another drug information product, with features including aural pronunciation of the drugs’ names and chemotherapy regimens.
- FDA Electronic Orange Book (consumer information on generic drugs)

## H. Herbals & Supplements

- National Center for Complementary & Integrative Health (NCCIH) resources (including clinical practice guidelines and literature reviews for health care professionals)

## I. Patient Education/Consumer Health/Literacy resources

- MEDLINEplus (Consumer health info from the National Library of Medicine)
- CareNotes patient education resources (via Micromedex suite)
- Basics & Beyond the Basics series (via UptoDate)
- ExitCare (via ClinicalKey)
- Healthwise patient education resources
- A wide variety of health literacy toolkits and resources, including resources for Ask Me 3 and TeachBack