2022 SID Presentations by Penn Derm

ABSTRACTS (sorted by PI):

Capell, Brian
- Brian Capell (talk) and Nina Kuprasertku (poster)
  - Title:
  - Abstract Number: 449
  - Oral Presentation: Concurrent Mini-Symposium 3: Epidermal Structure and Barrier Function
    - Thursday, May 19th, 8:45 AM - 11:15 AM, (8:45-8:57 AM); Oregon Ballroom 204

- Alex Maldonado-Lopez*
  - Title: Epidermal epitranscriptomics: METTL3 dependent m6A maintains the epidermal stem cell state through regulation of chromatin-modifying enzymes
  - Abstract Number: 506
  - Oral Presentation: Concurrent Mini-Symposium 3: Genetic Disease, Gene Regulation and Gene Therapy
    - Thursday, May 19th, 8:45 AM - 11:15 AM, (8:57-9:09 AM); A105-A106

Gina Pacella
- Title: The role of histone demethylase UTX on epidermal homeostasis and carcinogenesis
  - Abstract Number: 510
  - Oral Session 2, Friday May 20th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-Symposium 3: Genetic Disease, Gene Regulation and Gene Therapy
    - Thursday, May 19th, 8:45 AM - 11:15 AM, (8:57-9:09 AM); A105-A106

- E-Poster Session II: Genetic Disease, Gene Regulation and Gene Therapy
  - Friday, May 20th; 5:00 – 6:00 PM (5:18 – 5:24 PM) Terminal 4 (B110)

Chiesa Fuxench, Zelma
- Eduardo Michelen-Gomez*
  - Title: Risk of herpetic and non-herpetic cutaneous infections in adult patients with atopic dermatitis exposed to oral janus kinase inhibitors or dupilumab
  - Abstract Number: 233
  - Poster Session 1, Thursday May 19th, 4:30 PM to 6:30 PM

Chu, Emily
- Jessica Brown-Korsah
  - Title: Association of race with thickness in cutaneous melanoma
  - Abstract Number: 625
  - Poster Session 1, Thursday May 19th, 4:30 PM to 6:30 PM

Gelfand, Joel
- Brooke Hefele
  - Title: Impact of the COVID19 pandemic on the execution of real world, pragmatic trials: The LITE study experience
  - Abstract Number: 389
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

- Maha Syed
Joy Wan

Title: Fracture risk in adult and pediatric patients with atopic dermatitis - a population-based cohort study
Abstract Number: 185
Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
Oral Presentation: American Dermo-Epidemiology Network (ADEN) Meeting
  - Friday, May 20th, 7:00 PM – 8:00 PM, (~7:50 – 8:00 PM) A105-106

Grice, Elizabeth

Amy Campbell
Title: Genomic variation in Staphylococcus aureus stress response and virulence in diabetic wounds
Abstract Number: LB983
Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
Oral Presentation: Concurrent Mini-Symposium 6: Late-Breaking Abstracts
  - Thursday, May 19th, 8:45 AM to 11:15 AM, (10:21-10:33 AM); Oregon Ballroom 201/202

Jordan Harris (Grice/Kambayashi Labs)
Title: Skin commensals promote optimal sebaceous gland function by engaging in an immune-sebum circuit
Abstract Number: 538
Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
E-Poster Session I: Genetic Disease, Gene Regulation and Gene Therapy
  - Thursday, May 19th, 5:00 PM to 6:00 PM (5:54-6:00pm); Terminal 3, Room A109

Aayushi Uberoi*
Title: Commensal microbes can regulate skin barrier through the control of tryptophan-aryl hydrocarbon receptor signaling cascade
Abstract Number: 563
Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
Oral Presentation: Concurrent Mini-symposium 9: ç
  - Friday, May 20th, 8:45 AM - 11:15 AM, (9:21-9:33 AM); A105-A106

Ellen White*
Title: A novel inhabitant of the wound microbiome promotes wound healing through IL-6-mediated re-epithelialization
Abstract Number: 555
Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
Oral Presentation: Concurrent Mini-symposium 9: Innate Immunity, Microbiology, and Microbiome
  - Friday, May 20th, 8:45 AM - 11:15 AM, (9:45-9:57 AM); A105-A106

Kamberov, Yana

Heather Dingwall
Title: Nuclear transcriptomics reveals the determinants of eccrine sweat gland fate and differentiation
Abstract Number: LB1013
Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
Oral Presentation: Concurrent Mini-Symposium 6: Late-Breaking Abstracts
  - Thursday, May 19th, 8:45 AM to 11:15 AM, (9:33-9:45 AM); Oregon Ballroom 201/202

Ellebrecht, Christoph

Christoph Ellebrecht
Title: Asymmetric cell division for fate induction of chimeric antigen receptor T cells
Abstract Number: 024
Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM
**Leung, Thomas**
- Thomas Leung
  - Title: Treatment of sweet syndrome by molecular identification of PIK3R1 mutation
  - Abstract Number: LB1040
  - Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM
- Satish Sati (Thomas Leung presenting)
  - Title: HiCuT: An efficient and low input method to identify protein-centric chromatin interactions
  - Abstract Number: LB971
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

**Margolis, David**
- David Margolis
  - Title: KIR allelic variation is associated with atopic dermatitis
  - Abstract Number: 466
  - Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM

**Payne, Aimee**
- Aimee Payne
  - Title: A phase 1 trial of DSG3-CAART cells in mucosal-dominant pemphigus vulgaris (mPV) patients: Preliminary data
  - Abstract Number: LB952
  - Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM

**Ridky, Todd**
- Miriam Doepner (Presented by Todd Ridky)
  - Title: Endogenous DOPA inhibits melanoma through suppression of CHRM1 signaling
  - Abstract Number: 653
  - Poster Session 1, Thursday, May 19th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-Symposium 10: Pigmentation and Melanoma
    - Friday, May 20th, 8:45 AM – 11:15 AM, (10:21-10:33 AM), B113-116

**Rompolas, Pantelis**
- Sixia Huang
  - Title: Structural adaptations of epidermal stem cells to mechanical stress
  - Abstract Number: 761
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
  - Oral Presentation: Plenary Session 3
    - Saturday, May 21st, 8:30 AM to 9:30 AM (8:54-9:06 AM), Oregon Ballroom 201/202

**Rook, Alain**
- David Weiner
  - Title: Mogamulizumab multimodality therapy with systemic retinoids, interferon, or extracorporeal photopheresis for advanced cutaneous t-cell lymphoma
  - Abstract Number: 896
  - Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM

**Seykora, John**
- Hiroshi Maeno (Presented by John Seykora)
  - Title: miR-4521 is over-expressed in human lentigos and downregulates components of the autophagic pathway in keratinocytes
Patrick Sockler
- Title: Clinicopathologic integration of data from skin biopsies histologically classified as “Spongiotic Dermatitis” with the EMR facilitates identification of atopic dermatitis cases
- Abstract Number: 167
- Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

Yoko Suzuki-Horiuchi*
- Title: Transcript profiling for TSLP in human squamous cell carcinoma in situ
- Abstract Number: 078
- Poster Session 2, Friday May 20th, 4:30 PM to 6:30 PM
- Oral Presentation: Concurrent Mini-Symposium 17: Skin of Color
  - Saturday, May 21st, 9:45 AM - 12:15 PM (10:21-10:33 AM); C123-C124

Fahad Ahmed*
- Title: Patient race is associated with diagnostic uncertainty for psoriasis among dermatologists
- Abstract Number: 672
- Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
- Oral Session: Concurrent Mini-symposium 17: Skin of Color
  - Saturday, May 21st, 9:45 AM - 12:15 PM (10:21-10:33 AM); C123-C124

Gabriel Santos*
- Title: Acne-related quality of life differs by race/ethnicity and sex
- Abstract Number: 687
- Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
- Oral Session: Concurrent Mini-symposium 17: Skin of Color
  - Saturday, May 21st, 9:45 AM - 12:15 PM (11:21-11:33 AM); C123-C124

Felix Chin*
- Abstract 1:
  - Title: Network analysis suggests Th1, Th2 and Th17 mechanisms to be linked together in pathogenesis of cutaneous lupus erythematosus
  - Abstract Number: 802
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-Symposium 5: Translational Studies Presentation format: Oral Presentation
    - Thursday, May 19th, 8:45 AM-11:15 AM (10:45-10:57 AM); C123-C124
- Abstract 2:
  - Title: Unsupervised learning reveals different degrees of heterogeneity as well as cell involvement in cutaneous lupus erythematosus antimalarial treatment response subgroups
  - Abstract Number: 840
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
  - E-Poster Session II: Translational Studies
    - Friday, May 20th, 5:00 – 6:00 PM (5:18 – 5:24 PM) Terminal 5 (B112)

Joshua Dan*
- Abstract 1:
  - Title: Cutaneous dermatomyositis area and severity index activity score (CDASI-A) and associated patient-reported outcomes in a phase 2 clinical trial in dermatomyositis
  - Abstract Number: 238
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-symposium 1: Clinical Research-Epidemiology and Observational Research
Thursday, May 19th, 8:45 AM to 11:15 AM (10:57-11:09 AM); Oregon Ballroom 203

- **Abstract 2:**
  - Tile: Evaluation of nailfold capillaries in dermatomyositis using a dermatoscope
  - Abstract Number: 223
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

- **Abstract 3:**
  - Tile: Incidence and severity of itch and pain in bullous pemphigoid
  - Abstract Number: 239
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

- **DeAnna Diaz***
  - Title: *Lenabasum, a cannabinoid type 2 receptor agonist, exerts anti-inflammatory effects in dermatomyositis in Th1 cells*
  - Abstract Number: 023
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

- **Madison Grinnell**
  - Title: Photo validation study using cutaneous dermatomyositis disease area and severity index in dermatomyositis patients
  - Abstract Number: 278
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM

- **Yubin Li***
  - Title: UVB-irradiated keratinocyte-derived extracellular vesicles induced STING and inflammasome mediated proinflammatory responses
  - Abstract Number: 613
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-Symposium 16: Photobiology
    - Saturday, May 21st, 9:45 AM - 12:15 PM (10:09-10:21 AM), B113-116

- **Ming-Lin Liu**
  - Title: Inhibition of neutrophil NETosis ameliorates UVB-induced skin inflammation and kidney injury in lupus mice.
  - Abstract Number: 556
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
  - Oral Presentation: Concurrent Mini-symposium 9: Innate Immunity, Microbiology, and Microbiome
    - Friday, May 20th, 8:45 AM - 11:15 AM, (9:21-9:33 AM); A105-A106

- **Mariko Ogawa-Hohohara (VA)**
  - Title: Specific extracellular vesicles correlate with skin activity in dermatomyositis
  - Abstract Number: 041
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

- **Meena Sharma**
  - Title: Macrophage depletion preserves dermal collagen in UVB exposed mice
  - Abstract Number: 678
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM

- **Grant Sprow**
  - Title: Responses Following COVID-19 Vaccination in Patients with Autoimmune Skin Disease
  - Abstract Number: 260
  - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM

- **Thomas Vazquez***
  - **Abstract 1:**
    - Title: Plasmacytoid dendritic cells are not major producers of type 1 interferons in cutaneous lupus
    - Abstract Number: 066
    - Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
    - Oral Presentation: Concurrent Mini-Symposium 13: Adaptive and Auto-Immunity
      - Saturday, May 21st, 9:45 AM - 12:15 PM (10:21-10:33 AM), Oregon Ballroom 203
  - **Abstract 2:**
• Title: Lenabasum reduces IFNg and pIRF3 in dermatomyositis skin: Biomarker results from DETERMINE, a double-blind phase III international randomized controlled trial
  o Abstract Number: 068
  o Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM
• Megan Zhao
  o Title: Management of the heightened risk for clinical events from atherosclerotic cardiovascular disease (ASCVD) in an established cohort of lupus erythematosus patients
  o Abstract Number: 148
  o Poster Session 2: Friday, May 20th, 4:30 PM to 6:30 PM

*Denotes SID Travel Award Recipient

Invited Speakers
• Joel Gelfand
  o Moderator for International Psoriasis Council Meeting
    https://www.psoriasiscouncil.org/sid_2022_agenda.htm
  o Recipient, Founders Award from American Dermo-Epidemiology Network (ADEN) Meeting
    ▪ Talk Title: Mentorship: A Case Series
    ▪ Friday, May 20th, 7:00 PM – 8:00 PM, (8:15 – 8:30 PM) A105-106
  o National Psoriasis Foundation (NPF) Reception
    ▪ Talk Title: Psoriasis Prevention Initiative Update Prevention of Cardiovascular Disease and Mortality in Patients with Psoriasis or Psoriatic Arthritis
    ▪ Friday, May 20th, 7:00 PM – 10:00 PM (7:25 – 7:40 PM), C123-124
• David Margolis
  o Translational Symposium I - Artificial Intelligence, Big Data, and Medical Informatics
    ▪ Utilization of Medical Records Data Resources to Study Atopic Dermatitis
    ▪ Wednesday, May 18th, 1:30 PM – 2:30 PM; Oregon Ballroom 201-202
• John Stanley
  o Tribute to Dr. Stephen I Katz
    ▪ Panelist
    ▪ Wednesday, May 18th, 5:15 PM – 5:45 PM; Oregon Ballroom 201-202

Penn Derm Alumni
• Cory Simpson (Assistant Professor, University of Washington)
  • Abstract 1
    o Title: The autophagy receptor TEX264 initiates endoplasmic reticulum degradation in differentiating epidermal keratinocytes
    o Abstract Number: 0427
    o Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
    o Oral Presentation: Concurrent Mini-symposium 2: Epidermal Structure and Barrier Function
      ▪ Thursday, May 19th, 8:45 AM - 11:15 AM (9:21-9:33 AM), Oregon Ballroom 204
  • Abstract 2
    o Title: Modeling darier disease using gene-edited human keratinocytes and organotypic epidermis to identify therapeutic targets
    o Abstract Number: 0451
    o Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
• Joy Wan (Assistant Professor, Johns Hopkins University)
  • Abstract 1
    o Title: Impact of childhood atopic dermatitis on cognition and achievement.
    o Abstract Number: 175
    o Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM
  • Abstract 2
Title: Heterogeneity in cutaneous infection prevalence and frequency by timing of atopic dermatitis onset
- Abstract Number: 198
- Poster Session 2: Friday May 19th, 4:30 PM to 6:30 PM

Mackenzie Wehner (Assistant Professor, MD Anderson)
- Abstract 1
  - Title: Repeated occurrences of actinic keratoses in Medicare patients: A retrospective cohort study
  - Abstract Number: 163
  - Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

Abstract 2
- Title: A cross-sectional study using mobile device data
- Abstract Number: LB904
- Poster Session 2: Friday May 20th, 4:30 PM to 6:30 PM

Abstract 3
- Title: Incidence and treatments of actinic keratosis in the Medicare population: A cohort study
- Abstract Number: LB911
- Poster Session 1: Thursday May 19th, 4:30 PM to 6:30 PM

Mayumi Ito (Associate Professor, NYU)
- William Montagna Lecture: Skin Appendage Regeneration and Wound Healing
  - Thursday, May 19th, 3:45 PM – 4:15 PM; Oregon Ballroom 201-202

Cory Simpson is also a member of the SID DEI committee and invites you to attend the

**SID Diversity, Equity, and Inclusion (DEI) Session**

Keynote: Dr. Elizabeth Ofili, MD; Professor of Medicine and Senior Associate Dean, Morehouse School of Medicine

Topic: Improving equity in funding and mentoring opportunities for scientists
Thursday, MAY 19th, 7:00 AM - 8:30 AM, Room A105-A106

**2022 SID Future Leaders Retreat Attendees**
- Corbett Berry, MD, PhD
- Jordan Harris, MD, PhD candidate
- Matthew Hedberg, MD, PhD
- Leo Wang, MD, PhD
- Ellen White, MD, PhD candidate