



January 2018

Happy New Year! Below you'll find the latest ideas, action items, and news on the progress of the Human Immunology and Immunotherapy Initiative.

HI3 Faculty Recruitment

Mission: To enhance expertise and develop new strengths

- **Welcome Terry Fry, MD**
 - Terry will join the CU School of Medicine and the Children's Hospital Colorado Section of Hematology, Oncology and Bone Marrow Transplantation on February 1, 2018 and take the baton from Dan Theodorescu, MD, PhD as a co-Director of HI3.
- **Welcome Ron Schuyler, PhD**
 - Ron joined the HI3 HIMSR in the role of Data Scientist/Bioinformatician on Nov. 1, 2017. If interested in bioinformatics support, please complete the [online bioinformatics request form](#).
- **Basic Human Immunology faculty searches**
 - [Tenure-eligible faculty position](#) search is underway and is being conducted in conjunction with the Department of Immunology and Microbiology. We have an excellent applicant pool. Lanette Schwarz, HI3 Finance and HR Coordinator, is organizing schedules for visits by five short-listed candidates and may be contacting HI3 members in the near future to join the interviews.
 - A faculty search for the **Amy Davis Chair for Basic Human Immunology**, endowed by a generous donation from the Patten-Davis Foundation, has begun. Nominations of candidates who are established investigators with basic human immunology expertise and interest in cancer are welcome and can be sent to Aimee.Bernard@ucdenver.edu
- **Division of Medical Oncology | Thoracic Malignancies Program faculty search**
 - [Tenure-eligible faculty position](#) for a physician-scientist with excellent clinical skills pertaining to medical oncology in general and thoracic malignancies in particular and a proven track-record in laboratory-based oncology research is underway. Recommendations from the HI3 membership are welcome and can be sent to Aimee.Bernard@ucdenver.edu

HI3 Translational Immunology Case Study Seminar Series

Mission: To extend our understanding of human translational immunology and assist in clinical problem solving

- The study of immune mediated disorders provides an opportunity in medicine to translate findings of basic science investigations to the treatment of clinical problems. HI3 launched a seminar series in October 2017 to connect investigators across the Anschutz campus that perform research and/or treat patients with immune mediated disorders to learn from one another and extend our understanding of human translational immunology.
- Please visit the HI3 website to view upcoming seminars in the [HI3 Translational Immunology series](#)
- Recommendations for external speakers are welcome - please email Aimee.Bernard@ucdenver.edu

HI3 Human Immune Monitoring Shared Resource (HIMSR)

Mission: To facilitate and support human immunology research and discovery

- Multi-parameter IHC on the Perkin Elmer Vectra platform is continually developing the use of

additional human antibodies and panels. Please see the [HIMSR section of the HI3 website](#) for a complete list of the standard human antibodies and panels now available.

- To support our members using mouse tissue, a mouse IHC interest group was formed with the goal of sharing knowledge and working protocols. Please contact Kimberly.Jordan@ucdenver.edu to obtain the spreadsheet for mouse antibody information (tissue prep, antibody clones, protocols).
- To further support HI3 members using mouse tissue, a hands-on, 1-day Vectra platform workshop that will cover multiplexing with Opal staining reagents on mouse tissue, assay development, and basics of the inform analysis software (companion to the Vectra instrument) will be scheduled winter 2018. Please contact Kimberly.Jordan@ucdenver.edu if interested.
- Would you like to include HIMSR services in your next grant application and obtain pre-written text for your grant about the HIMSR? Please contact Kimberly.Jordan@ucdenver.edu
- The Multiplexed Ion Beam Imaging (MIBI) platform is scheduled to arrive during the first quarter of 2018...stay tuned for announcements related to its arrival.

HI3 Translational Research Networking and Preclinical Models (TRNPM)

Mission: To provide a nexus for multiple aspects of translational immunology research

- The COMIRB protocol "Human Immune Tissue Network Biobank" has been submitted to and reviewed by COMIRB. This protocol will allow any HI3 investigator to obtain and study fresh human tissue of immunological relevance (adult and pediatric) without the need of obtaining their own COMIRB protocol. To obtain tissue, investigators simply fill out a form provided by the HI3. Names of clinicians from which to obtain human tissue and the consent form, when needed, will be provided by HI3. If interested, please contact Roberta.Pelanda@ucdenver.edu
- Jeremy Shulman, a certified vet tech with experience in mouse husbandry, has been hired as a PRA in the TRNPM human immune system (HIS) mouse facility.
- To learn more about human immune system (HIS) mouse models and the services offered through the TRNPM contact Julie.Lang@ucdenver.edu or Roberta.Pelanda@ucdenver.edu

HI3 Support for development of Immunotherapeutics

Mission: To facilitate the production of clinical grade biological reagents and cell-based immunotherapeutics

- CD19 CAR T cell development for use in clinical applications, under the direction of Drs. Enkhee Purev and Craig Jordan, is ongoing in a collaboration between Clinimmune and the Gates Center.

Mission: To facilitate the use of campus CLIA labs for monitoring patient responses and clinical decision-making

- Please visit the [HI3 website for a list of CLIA labs](#) on campus and contact Aimee Bernard if additional CLIA laboratories on campus exist that are absent from the list.

HI3 Training Program

Mission: To develop and establish training programs across the training continuum at the pre-doctoral, post-doctoral, and junior faculty level

- HI3 will monetarily support 2 incoming immunology program graduate students in the 2018/2019 class.
- The development of a 2-day 'human immunology and immunotherapy' workshop is underway for HI3 trainees and scientists who would like to expand or update their understanding of the field and address its role in health and disease. Proposed date for inaugural workshop is September 2018.

HI3 Clinical Research Program

Mission: To provide expertise and coordination with established campus clinical research services to HI3 research teams to effectively operationalize clinical research

- The HI3 clinical research program continues to evolve as active members contribute to the ongoing conversation. To date, HI3 has learned that members are interested in developing a Clinical Immunology Core that would provide access to biospecimens and clinical data from subjects with immune mediated diseases, as well as high-risk and healthy controls. The membership has also voiced the desire for a Program Manager whom would offer comprehensive clinical research support to investigators participating in human immunotherapeutic related clinical trials.

UPCOMING MEETINGS and ACTION ITEMS

- Be on the lookout for a calendar invitation to a campus-wide HI3 Members Meeting winter 2018.
- **Mark your calendar for January 31 4:00-5:00pm** in the Nighthorse Campbell Shore Family Forum for the HI3 Translational Human Immunology Seminar, 'Molecular Drivers of Asymptomatic Autoimmunity' presented by Mike Holers, MD