



July 2018

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

If you were unable to attend the June 27, 2018 campus-wide HI3 member meeting, please visit the [Status Reports tab on the HI3 website](#) to view the slide deck.

HI3 Faculty Recruitment

Mission: To enhance expertise and develop new strengths

- We are pleased to announce that our top candidate accepted our offer for an Assistant Professor faculty position in basic human immunology in the Department of Immunology and Microbiology and will officially start on January 1, 2019.
- We are pleased to announce that [Eduardo Davila, PhD](#) verbally accepted our offer for the Amy Davis Chair for Basic Human Immunology, endowed by a generous donation from the Patten-Davis Foundation and will arrive to CU AMC in August. Our success with this highly competitive recruit was made possible by the collaboration of several different CU entities, including the Division of Medical Oncology, the Cancer Center, the Department of Surgery and the VA.

HI3 Translational Immunology Case Study Seminar Series

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

- HI3 launched a seminar series in the fall of 2017 to connect investigators across the AMC that perform research within immunology 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 the upcoming seminars for 2018/2019 in the [HI3 Translational Immunology series](#) or to obtain [instructions for viewing](#) the recorded seminars on the HI3 channel in Office 365.
- The seminar series is on break for the summer and will resume on September 19, 2018 with a seminar on 'CAR-T Targets CD19 and CD22' by Terry Fry, MD

HI3 Human Immune Monitoring Shared Resource (HIMSR)

Mission: To facilitate and support human immunology research and discovery

- A **Vectra User Group** has formed to allow users to discuss problems, present data, ask questions and obtain feedback. If interested, please join in on the first Thursday of every month at 2:00pm in RC1-North, Room 8108. Contact Kimberly.jordan@ucdenver.edu if you would like to be added to the user group calendar invite.
- 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 currently available.
- The MIBI is scheduled to arrive in August. Keep in mind that this is a beta machine and the HIMSR will begin to validate the instrument and antibody panels upon arrival. It is not a high throughput machine and would be most efficient if users worked with the pathology lab to pre-select regions of tissue for analysis and to create tissue microarray slides for analysis. If you have questions, please contact Kimberly.Jordan@ucdenver.edu

- 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
- Are you interested in bioinformatics support? Complete the [online bioinformatics request form](#) to connect with Ron Schuyler, PhD

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 approved. This ‘umbrella’ 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. Interested? Please contact Roberta.Pelanda@ucdenver.edu
- 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 you know of any additional CLIA laboratories on campus that are absent from this 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 has offered to monetarily support 2 incoming immunology program graduate students in the 2018/2019 class and 1 incoming post-doctoral fellow for 1-3 years beginning in the fall of 2018.
- HI3 is offering a free **2.5 day 'fun-sized' Human Immunology and Immunotherapy Overview workshop** October 8-10, 2018 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. If interested, please visit the [Training page of the HI3 website](#) or contact Aimee.Bernard@ucdenver.edu with questions or to request the workshop agenda.

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 regarding the direction of this activity (this is still a work in progress).
- An ‘Autoimmunity (and SLE) Interest Group’ has formed to stimulate collaboration between basic and clinical researchers interested in human research within the context of the stages of pre-clinical autoimmunity and transition to clinical disease. For more information please contact Mike Holers or Kevin Deane.

UPCOMING EVENTS and ACTION ITEMS

- **August 2:** The monthly meeting of the HIMSR Vectra User Group is scheduled for August 2 at 2:00pm in RC1-North, Room 8108. The topic, 'inForm software training.' Please note that these meetings take place on the first Thursday of every month at 2:00pm in RC1-North, Room 8108.
- **September 19:** Mark your calendar for September 19 4:00-5:00pm in Hensel Phelps West for the HI3 Translational Human Immunology Seminar, 'CAR-T Targets CD19 and CD22' by Terry Fry, MD
- **October 8-10:** If interested in the 2.5 day 'fun-sized' Human Immunology Workshop register through the [Training section of the HI3 website](#). The workshop will utilize an **active learning teaching strategy** that is participant-centered and focused on interactive discussions and problem solving within small groups as well as the full course of participants. For questions please contact Aimee.Bernard@ucdenver.edu
- If interested in another opportunity to learn immunology, please consider enrolling in the IMMU7630 'An Overview of Human Immunology' course taught each fall semester by Dr. J. John Cohen, MDCM, PhD. IMMU7630 typically runs for 14 weeks and meets 1x/week for 2 hours. For more information (and to ask about auditing the course) please contact Dr. JJ Cohen at john.cohen@ucdenver.edu and visit the course site at immuno4ever.org