

## Inter-Institutional Activities Involving Core Facilities (June 7, 2018)

### I. Joint Grant Awards and Proposals

- A. Regional Chicago CTSA Consortium** (since 2008) – although each institution has its own NIH-funded Clinical and Translational Sciences Award (CTSA), we are partners in this regional consortium to facilitate best practices and coordinate clinical trials across institutions - <https://nucats.northwestern.edu/about/ctsa-collaborations/regional-chicago-ctsa-consortium-rc3>
- B. Chicago Consortium for Community Engagement** (since 2010) – is another regional partnership among our three CTSA-funded institutions along with community stakeholders to enhance community engagement in research to improve population health and health equity throughout Chicago - <https://nucats.northwestern.edu/about/newsroom/2015/10/chicagoland-ctsas-collaborate-advance-translational-research>
- C. NSF National Nanotechnology Coordinated Infrastructure Grant** (2015-2019) – was awarded to NU and UC to provide nanofabrication and characterization services for researchers studying soft (biological) and hybrid (hard-soft) materials. IICAC members Dravid (NU) and Cleland (UC) are the PIs - <http://www.nuance.northwestern.edu/news-and-events/articles/2015/20150915-NSF-NNCI.html>
- D. NIH Precision Medicine Initiative (2016)** – was awarded to Northwestern and four regional health care provider organizations to receive an award from the NIH for this study - includes subgrantees Ann and Robert H. Lurie Children’s Hospital of Chicago, the University of Chicago, the University of Illinois at Chicago and the Alliance of Chicago Community Health Services, LLC - <https://news.northwestern.edu/stories/2016/07/white-house-nih-precision-medicine-initiative-study/>
- E. NIEHS Environmental Health Center Grant** (2017-2021) – was recently awarded to UIC and UC to study and ultimately reduce environmental health-related disparities among residents of Chicago. The gap between life expectancy of blacks and whites in Chicago remains one of the largest in the nation - <https://today.uic.edu/nih-taps-chicago-universities-for-center-on-environmental-health>
- F. Update on Big 10 Cancer Research Consortium Summit 2017** – the Cancer Centers at UIC and NU co-hosted the Summit meeting on October 21, 2017, that included exploration of the role of precision oncology and use of genomics data tailored to individual patients - <https://www.bigtenrc.org/summit/>
- G. Single-Cell Initiative** – UIC submitted a Juvenile Diabetes Research Foundation (JDRF) proposal to analyze T1 Diabetic samples from the TrialNet consortium. The proposal included consultants from NU (Aleppo), UC (Philipson) as well as UIC (Prabhakar, Unterman, Layden). This is a "service" grant, and the CoIs are core directors using CyTOF, 6- way sorting, RNA extraction, library preps, and sequencing.
- H. National Cryo-EM Research Center Grant** (submitted June '17) – is a partnership among NU, UC, Purdue and Argonne National Lab to create a NIH-funded national cryo-EM center at Argonne. UC hosted a national symposium of cryo-EM experts in March '17, and the 2017 Nobel Prize in Chemistry was awarded to 3 international researchers who pioneered this technique. NOT FUNDED.

## II. Entrepreneurial Partnerships

- A. **Polsky Center at UC** - announced that UC and UIUC have formed a partnership to develop and commercialize groundbreaking technology, driving the formation of startup companies and other links to industry  
- <https://news.uchicago.edu/article/2017/10/19/uchicago-university-illinois-urbana-champaign-partner-major-innovation-initiative>
  
- B. **Discovery Partners Institute** – is an interdisciplinary public-private research institute located in Chicago that is intended to galvanize economic growth and development in the state. It is a partnership between the State of Illinois, the University of Illinois System, and other academic partners (including UC and NU) to bring together faculty, students and companies to work side-by-side to develop solutions, promote entrepreneurship and empower inventors of the future - <http://www.news-gazette.com/news/local/2018-03-05/discovery-partners-institute-campus-within-downtown.html>