



# IDG ILLUMINATING the DRUGGABLE GENOME

## IDG Outreach meeting with BAGIM

9 am – 2 pm, August 23, 2018

Harvard Medical School  
Boston, MA

Come and hear more about Illuminating the Druggable Genome Consortium, a NIH Common Fund program, composed of Knowledge Management Centers (KMC), Data Resource Generating Centers (DRGC), and Resource Dissemination and Outreach Center (RDOC).

### Agenda:

- 9:00 Welcome and Introduction - Tudor Oprea, PhD, MD
- 9:05 Presentation from KMC at University of New Mexico (UNM)  
*Protein Knowledge Graphs and Machine Learning for Target Prioritization* - Tudor Oprea, PhD, MD
- 9:30 Presentation from KMC at Icahn School of Medicine at Mt. Sinai (ISMMS)  
*Harmonizome-ML: Interactive On-the-Fly Imputation of Knowledge about Genes and Proteins with Machine Learning* - Avi Ma'ayan, PhD
- 9:55 Presentation from KMC at National Center for Advancing Translational Sciences (NCATS)  
*Pharos, User-Interface to Illuminating Druggable Genome* - Dac-Trung Nguyen and Timothy Sheils
- 10:20 Break
- 10:35 Presentation from DRGC - Kinase  
*Dark Kinase Knowledgebase* - Matthew Berginski, PhD (UNC at Chapel Hill)  
*Small Molecule Library Informatics* - Nienki Moret, Bsc (Harvard)
- 11:25 Presentation from DRGC - Ion Channel  
*Data driven co-ablation of Ion Channels* - Zicheng Hu, PhD (UCSF)
- 11:50 Break
- 12:20 Presentation from outside IDG community  
*Functional and structural interactions in druggable targets from evolutionary information* - Chris Sander, PhD (Harvard)  
*Genetic variation in human drug-related genes* - Debora Marks, PhD (Harvard)
- 13:10 Feedback loop: Discussion on improvements to better serve the community.

**Location:**

Harvard Medical School  
Warren Alpert Building,  
Room 563  
200 Longwood Avenue  
Boston, MA 02115

**WebEx:**

URL: <https://hms.webex.com/hms/j.php?MTID=ma994f158976f7e71076eed525c3cf07a>  
Meeting Number: 715 885 931  
Meeting Password: 3ruPgi46  
Dial-in (toll number): 1-408-792-6300  
[Global call-in numbers](#)

**\*\*Attendees\*\*:** Please email your name and affiliation to [idg.rdoc@gmail.com](mailto:idg.rdoc@gmail.com) by August 19, 2018 in order to pass HMS building security.

BAGIM - Boston Area Group for Informatics and Modeling

[DruggableGenome.net](http://DruggableGenome.net)