The Wistar Institute

• The nation’s first independent biomedical research institution

• An international leader in science with a special expertise in cancer research, virology, immunology and vaccine development.

• Located on Penn’s campus, but administratively and financially independent.
• 32 Investigators
• 11 State-of-the-Art Core Facilities
• 65 postdocs, 20 pre-docs
• Culture of close collaborations with Penn and other neighboring institutions
The Wistar Institute Cancer Center

Wistar is an NCI-designated Cancer Center, organized into three programs:

• Gene Expression and Regulation
• Molecular and Cellular Oncogenesis
• Immunology, Microenvironment and Metastasis

4 other Centers:
Vaccine and Immunotherapy Center, The Melanoma Research Center, The Center for Systems and Computational Biology, The Center for Chemical Biology and Translational Medicine
Predoctoral training opportunities for BGS students at Wistar

Almost all Wistar faculty have Adjunct appointments at Penn and participate in teaching, thesis committees, qualifying exams, student recruitment, etc.

Rotations available in Wistar labs – feel free to contact faculty (www.wistar.org)

Penn cancer-related courses directed by Wistar faculty:

- **BMB585** – Wistar Course on Cancer Biology (Murphy, Keith)
- **IMMUN/CAMB 609** – Vaccines and Immune Therapeutics (Weiner)
- **BMB626** – Proteomics and Mass Spectrometry (Speicher)

25 Penn PhD students joined Wistar labs between 2014-2019, from 4 different graduate programs (CAMB, BMB, Pharmacology, Chemistry)
Wistar Faculty with Adjunct appointments at Penn:

Qing Chen: *Cancer metastasis to the brain*
Chi van Dang: *MYC, metabolism*
Hildegund Ertl: *Vaccines*
Dmitry Gabrilovich: *Anti-tumor immunity*
Alessandro Gardini: *Chromatin, enhancers and hematopoiesis*
Meenhard Herlyn: *Melanoma*
Andrew Hu: *B cell cancer*
Daniel Kulp: *Rational design of vaccines*
Paul Lieberman: *Virology, Transcription*
Luis Montaner: *HIV therapy*
Maureen Murphy: *p53, HSP70*
Yulia Nefedova: *Multiple myeloma*
Kazuko Nishikura: *RNA editing*
Frank Rauscher: *EMT, transcription and metastasis*

Joe Salvino: *Medicinal chemistry*
Kavitha Sarma: *RNA-mediated epigenetic gene regulation*
Zachary Schug: *Cancer metabolism and metabolomic*
Louise Showe: *Functional genomics of cancer*
Emmanuel Skordalakes: *Structural biology, telomerase*
David Speicher: *Systems biology, proteomics*
Jessie Villanueva: *Melanoma drug resistance*
David Weiner: *DNA vaccines*
Rugang Zhang: *Cancer metabolism, senescence*
More Wistar faculty:

Mohamed Abdel-Mohsen: *Host-virus interactions, HIV*

Farokh Dotiwala: *Innate and adaptive immunity to pathogens*

Kar Muthumani: *Immune responses to infectious disease*
QUESTIONS?

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