

Anatomy
Cell Biology

Pharmacology
Physiology

Microbiology
Immunology

Biochemistry
Molecular
Biology



Department of Biomedical Sciences (2013)

<http://www.med.und.edu/biomedical-sciences>

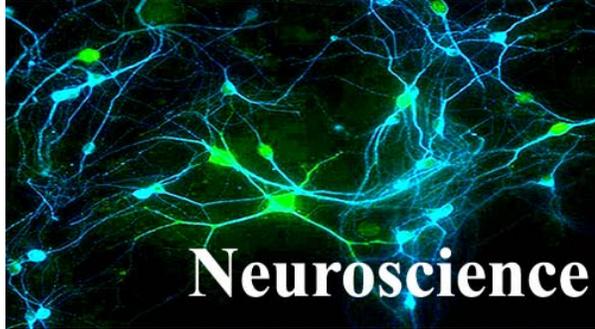
39 full time faculty

Focused on Research Strengths

Neuroscience
(development,
aging, disease)

Epigenetics
(gene expression)

Host-Pathogen
Interactions
(infectious diseases)



Aging, Alzheimer's Disease, Parkinson's Disease, Memory, Dementia, Multiple Sclerosis, Traumatic Injury, Concussion, Addiction, Epilepsy

- Center for Neurodegenerative Disorder Research (2002-)
Total Award: \$46,797,280.00
- Additional extramural support from 11 NIH R01 awards, 3 NIH R21 awards, as well as 2 NSF awards, and several foundation awards
- Geiger, Grove, Vaughan, Combs, Singh, Brown-Borg, Ghribi, Lei, Murphy, Porter, Doze, Watt, Rosenberger, Henry, Carvelli, Foster, Golovko, Brissette, Mishra, Chen, Ruit, Carr
- **Pilot grant programs (School, COBRE, Dept., University)**
- **Mass Spectrometry Core**
- **Imaging Core**



Cancer, Toxins, Aging, Development

- Center for Biomedical Research Excellence, Epigenomics of Development and Disease (2013-) Total Award \$10,616,459.00
- Additional extramural support from 2 NIH R01 awards and 1 NIH R21 award
- Drs. Milavetz, Vaughan, Singh, Porter, Henry, Carvelli, Dhasarathy, Nechaev, Mishra, Brissette, Hur, Dunlevy, Brown-Borg, Darland
- **Pilot Grant Programs (School, COBRE, Dept, University)**
- **Genomics Core**

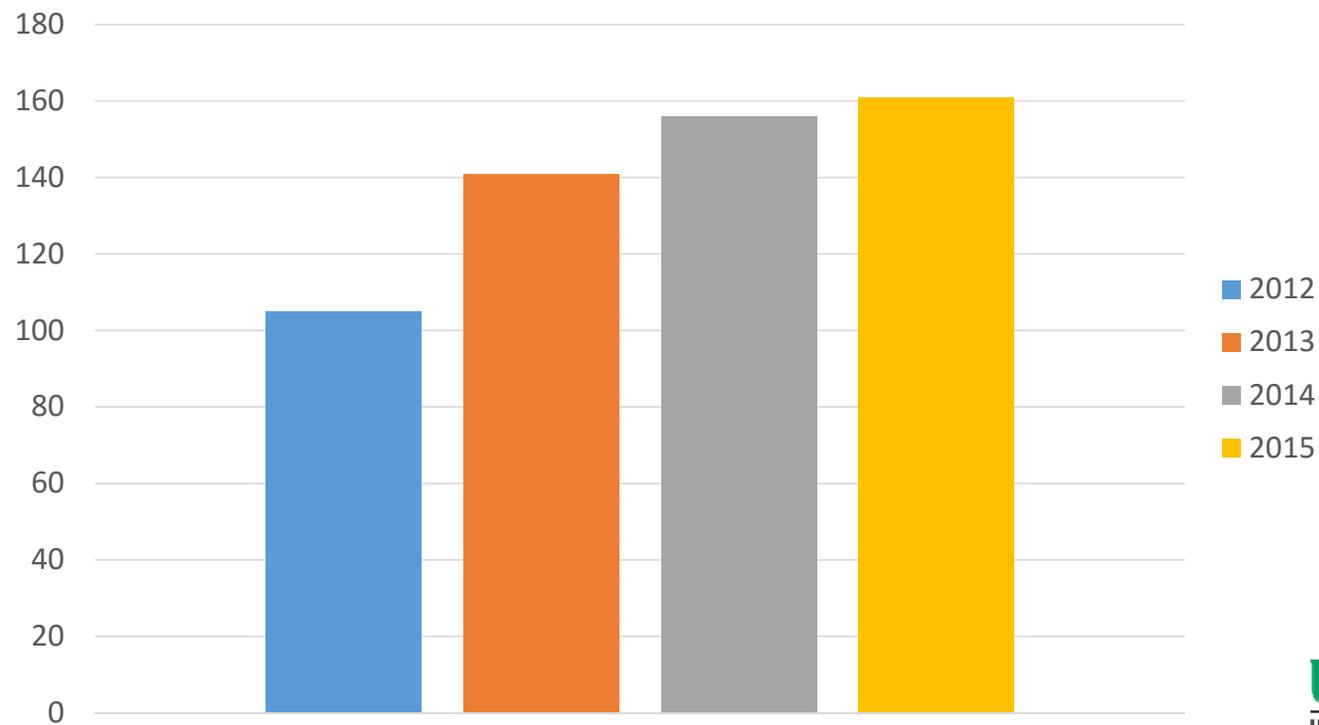


Sepsis, Plague, Lyme Disease, West Nile Disease, Zika infection, Staph/Strep infection

- Center for Excellence in Host-Pathogen Interactions (2016-) Total Award: \$10,723,458.00
- Additional extramural support from 3 NIH R01 awards, 2 NIH R21 awards, and several foundation awards
- Drs. Kotb, Singh, Wu, Bradley, Nilles, Mukundan, Nookala, Sharma, Brissette, Mishra, Chen, Combs
- **Pilot grant programs (School, COBRE, Dept., University)**
- **Flow Cytometry Core (want to co-support this INBRE core)**

Dept. Publications

Biomedical Sciences Publications (2012-2015)



Dept. Trainees

High School, Undergraduate, Medical (REMS), Graduate (MS/PhD)

Fig 1A. Biomedical Sciences Graduate Students Admitted

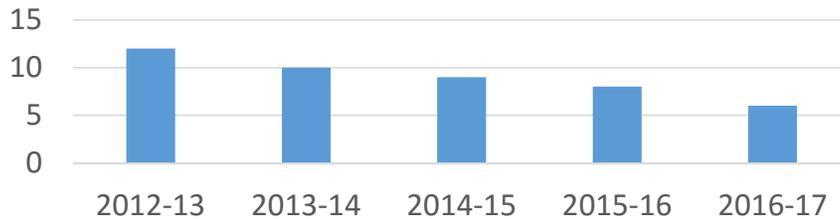


Fig 1B. Biomedical Sciences Post Docs Hired

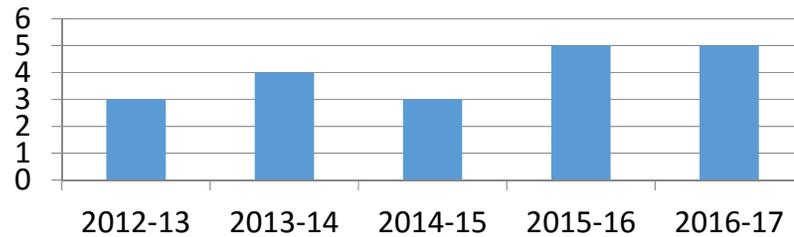
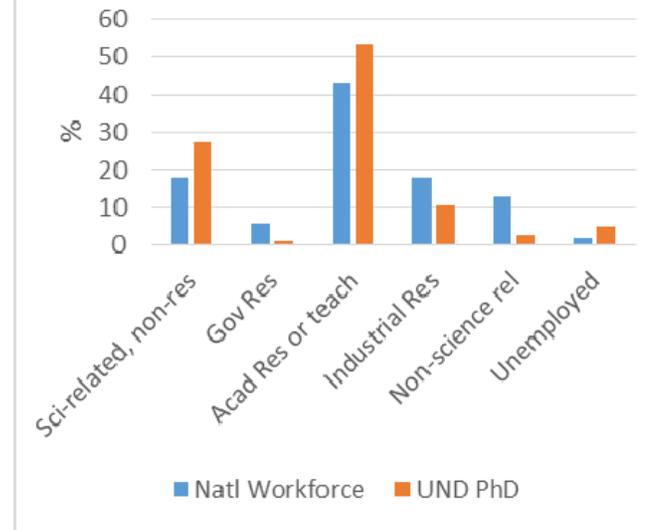


Fig 2. Post-training occupations: UND vs National



(1995-2015)