

# Igniting Research Collaborations (IRC) Symposium

2018 IRC awardees share their cross-college  
collaborations and research from the past year

Monday, April 22<sup>nd</sup> 10 am – 1 pm

Wednesday, April 24<sup>th</sup> 1 – 4 pm

Both sessions in TODD 234

## Monday, April 22<sup>nd</sup> 10:00 am – 1:00 pm in TODD 234

10:00 am – 10:35 am Refreshments

10:35 am – 10:45 am Welcome and introduction (Linda Dwoskin, ADR College of Pharmacy)

10:45 am – 11:00 am **Sylvie Garneau-Tsodikova** (Pharmaceutical Sciences, College of Pharmacy), **Samuel Awuah** (Chemistry, College of Arts & Sciences). *“Development of gold complexes as antimicrobial agents”*

11:00 am – 11:15 am **Nathan DeWall** (Psychology, College of Arts & Sciences), **William Stoops** (Behavioral Science, College of Medicine). *“Social exclusion increases opioid craving: An fMRI study”*

11:15 am – 11:30 am **Steven Van Lanen** (Pharmaceutical Sciences, College of Pharmacy), **Lisa Vaillancourt** (Plant Pathology, College of Agriculture). *“Antibiotics from Colletotrichum fungi”*

11:30 am – 11:45 am **Kathleen Winter** (Epidemiology, College of Public Health), **Agatha Critchfield** (OB/GYN, College of Medicine), **Kathi Harp** (Health Management & Policy, College of Public Health), **Sheila Barnhart** (Social Work, College of Social Work). *“Perinatal hepatitis C knowledge and treatment gaps among HCV-infected women with opioid-use disorder”*

11:45 am – 12:00 pm **Haining Zhu** (Biochemistry, College of Medicine), **David Fardo** (Biostatistics, College of Public Health), **Edward Kasarskis** (Neurology, College of Medicine), **Daret St Clair** (Toxicology, College of Medicine). *“Searching for genetic modifiers in familial ALS”*

12:00 pm – 12:15 pm **Jen White** (Entomology, College of Agriculture), **Brian Stevenson** (Microbiology, College of Medicine). *“Identifying non-pathogenic tick endosymbionts for potential use in applied vector management”*

12:15 pm – 12:30 pm **Christine Trinkle** (Mechanical Engineering, College of Engineering), **Seth DeBolt** (Horticulture, College of Agriculture), **Jeffrey Wheeler** (Horticulture, College of Agriculture). *“Wine microfluidics: Predictive measurements of wine oxidation and aging”*

12:30 pm – 12:45 pm **Dan Stone** (Accounting, Gatton College of Business), **Nathan Jacobs** (Computer Science, College of Engineering), **Mark Lauersdorf** (Linguistics, College of Arts & Sciences), **Hong Xie** (Accounting, Gatton College of Business). *“Listening to markets—A temporal convolutional net analysis of conservatism in financial reporting”*

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## Wednesday, April 24<sup>th</sup> 1:00 pm – 4:00 pm in TODD 234

1:00 pm – 1:35 pm	Refreshments
1:35 pm – 1:45 pm	Welcome and introduction (Linda Dwoskin, ADR College of Pharmacy )
1:45 pm – 2:00 pm	<b>Christopher Waters</b> (Physiology, College of Medicine), <b>Christine Trinkle</b> (Mechanical Engineering, College of Engineering). <i>“Ex vivo lung model for high throughput drug screening”</i>
2:00 pm – 2:15 pm	<b>Guoying Bing</b> (Neuroscience, College of Arts & Sciences), <b>Allan Butterfield</b> (Chemistry, College of Arts & Science). <i>“Fingolimod protects dopaminergic neurons against neuroinflammation after traumatic brain injury”</i>
2:15 pm – 2:30 pm	<b>Martha E. Grady</b> (Mechanical Engineering, College of Engineering), <b>Natalia Korotkova</b> (Biochemistry, College of Medicine). <i>“Mechanical role of wall teichoic acid in antimicrobial resistance of Enterococcus faecalis”</i>
2:30 pm – 2:45 pm	<b>Donna Schuman</b> (Social Work, College of Social Work), <b>Debra Moser</b> (Nursing, College of Nursing), <b>Jessica Domino</b> (Psychology, VAMC), <b>Karen Lawrence</b> (Social Work, College of Social Work), <b>JP Ginsberg</b> (Psychology, USC). <i>“Effectiveness of a heart rate variability biofeedback intervention and mobile app on cardiac autonomic functioning in Iraq/Afghanistan veterans with posttraumatic stress disorder”</i>
2:45 pm – 3:00 pm	<b>Aardra Kachroo</b> (Plant Pathology), <b>Pradeep Kachroo</b> (Plant Pathology, College of Agriculture), <b>Steven Van Lanen</b> (Pharmaceutical Sciences, College of Pharmacy), <b>David McLetchie</b> (Biology, College of Arts & Sciences). <i>“Generation and evolution of chemical signals in plant defense”</i>
3:00 pm – 3:15 pm	<b>Kevin B. McGowan</b> (Linguistics, College of Arts & Sciences), <b>Michael T. Johnson</b> (Electrical & Computer Engineering, College of Engineering). <i>“Apparatus and procedure for ultrasound investigation of velopharyngeal port aperture”</i>
3:15 pm – 3:30 pm	<b>Peter Nagy</b> (Plant Pathology, College of Agriculture), <b>Rebecca Dutch</b> (Biochemistry, College of Medicine). <i>“Identification of cellular targets of human respiratory viruses in yeast”</i>
3:30 pm – 3:45 pm	<b>Timothy S. McClintock</b> (Physiology, College of Medicine), <b>Chang-Guo Zhan</b> (Pharmaceutical Sciences, College of Pharmacy), <b>Dan Han</b> (Neurology, College of Medicine). <i>“Antagonists for tobacco smoke odor block cravings to smoke”</i>