

# *Research!Louisville 2021*

**Idoia Meaza Isusi**

**3<sup>rd</sup> Place**

**Doctoral Basic Science**

**Graduate Student Award**

Particulate Hexavalent Chromium Targets RAD51 in Human Lung Epithelial Cells, Leading to Increased Chromosome Instability, a Driver of Carcinogenesis. Meaza Isusi, Idoia Toyoda, Jennifer Haruka; Lu, Haiyan; Williams, Aggie Rena; Wise, John Pierce. Pharmacology and Toxicology 2021

**Mentor: John Wise, Sr., PhD**

# *Research!Louisville 2021*

**Jamie Young**

**1<sup>st</sup> Place**

**Postdoctoral Fellow Award**

Whole life exposure to low dose cadmium alters NAFLD: New Insight and Future Studies. Young, Jamie Lynn Cave, Matthew C.; Cai, Lu. Medicine 2021

**Mentor: Lu Cai, PhD**

**Executive Vice President for  
Research and Innovation**

# *Research!Louisville 2021*

**Alexandra Nail**

**1<sup>st</sup> Place**

**Postdoctoral Fellow Award**

Reduced DNA Damage Response Activation in Keratinocytes Chronically Exposed to Toxicologically Relevant Concentrations of Sodium Arsenite. Nail, Alexandra McCaffrey, Lakynkalina M; Ferragut Cardoso, Ana; Banerjee, Mayukh; States, J.Christopher. Pharmacology and Toxicology 2021

**Mentor: J. Christopher States, PhD**

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Research and Innovation

# *Research!Louisville 2021*

## Jianzhu Luo

2<sup>nd</sup> Place

### Research Associate/Research Scientist Award

Evaluating the sex-dependent effects of chlordane exposure in the context of fatty liver disease, energy metabolism and endocrine disruption. Luo, Jianzhu; Gripshover, Tyler Charles; Watson, Walter H.; Qaissi, Zayna; Young, Jamie Lynn; Head, Kimberly Z.; Cave, Matthew C.; Wahlang, Banrida. Medicine 2021

## Mentor: Banrida Wahlang, PhD

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Research and Innovation

# *Research!Louisville 2021*

**Emily Reece**

**2<sup>nd</sup> Place**

**Public Health & Information Sciences**

**Graduate Student Award**

Tear Gas Exposure During the 2020 and 2021 Protests and Female Reproductive Health. Reece, Emily Kathleen; Tomlinson, Madeline May; Kakar, Aastha; Wallis, Anne Baber; Corbitt, Cynthia; Smith, Ted; Bhatnagar, A.; Taylor, Kira Creswell. *Epidemiology and Population Health* 2021

**Mentor: Kira Taylor, PhD, MS**

**School of Public Health and  
Information Sciences**

# *Research!Louisville 2021*

## Yuanbao Zhang

1st Place

Public Health & Information Sciences

Graduate Student Award

Metal oxide nanoparticles induced epithelial-mesenchymal transition through ROS/MAPKs/MMP-3 pathway in human lung epithelial cells. Zhang, Yuanbao Mo, Yiqun; Yuan, Jiali; Zhang, Qunwei. Environmental and Occupational Health Sciences 2021

**Mentor: Qunwei Zhang, MD, MPH, PhD**

**School of Public Health and  
Information Sciences**

# *Research!Louisville 2021*

**Banrida Wahlang, PhD**

**Winner**

**Faculty Award in Basic Science**

Sex-dependent effects of vinyl chloride on the hepatic transcriptome: implications on toxicant-associated steatohepatitis. Wahlang, Banrida Andreeva, Kalina; Rouchka, Eric Christian; Arteel, Juliane Ingeborg Helene Anneliese; Cave, Matthew C.; Srivastava, Sanjay. Medicine 2021

# *Research!Louisville 2021*

## Dietrich Sears

1<sup>st</sup> Place

NCI Cancer Education Program

Norbert J. Burzynski Award

Undergraduate Student Category

Unique Avenues for the Inhibition of Telomerase Activity in Cancer: Selective Targeting of Higher Order G-quadruplexes. Sears, Dietrich Trent, John O.; Monsen, Robert Chandos; DeLeeuw, Lynn Wernert; Chaires, Jonathan Bradford. Medicine 2021

Mentor: J. Christopher States, PhD



# *Research!Louisville 2021*

Lakynkalina McCaffrey

1<sup>st</sup> Place

NCI Cancer Education Program

Norbert J. Burzynski Award

Professional Student Category

DNA Damage Response Dysregulation in Keratinocytes Chronically Treated with Low Dose Arsenic. McCaffrey, Lakynkalina M; States, J.Christopher; Ferragut Cardoso, Ana; Banerjee, Mayukh; Nail, Alexandra Nichole. Pharmacology and Toxicology 2021

Mentor: J. Christopher States, PhD