Ohio Physiological Society

34th Annual Meeting
Wright State University
3640 Colonel Glenn Hwy
Dayton, Ohio 45435
White Hall
September 20 – 21, 2019

Keynote Address:

"Why do Mice Run Better with SOCCs?"

Robert T. Dirksen, Ph.D.
Professor and Chair, University of Rochester

Dr. Dirksen directs a multi-disciplinary research program focused on elucidating disease mechanisms and advancing treatment for muscular dystrophy and heart disease. The laboratory investigates the pathophysiological mechanisms by which defects in the proper control of intracellular calcium signaling lead to muscle dysfunction and disease. Current projects involve elucidating the cellular mechanisms by which muscle function is controlled by proteins involved in coordinating: 1) excitation-contraction coupling, 2) store-operated calcium entry, and 3) mitochondrial calcium uptake and energy production, as well as 4) the molecular mechanisms for skeletal and cardiac muscle dysfunction in myotonic dystrophy.

34th Annual Meeting of the
Ohio Physiologic Society
Wright State University
September 20-21, 2019

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34th Annual Meeting of the
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Schedule

Friday September 20th, 2019

4:00 – 6:55 PM	Reception and registration
6:55 – 7:00 PM	Opening remarks
7:00 – 8:00 PM	Keynote Address - Robert Dirksen Professor and Chair, University of Rochester *"Why do Mice Run Better with SOCCs?"*

Saturday September 21st, 2019

8:00 – 8:25 AM	Coffee and Pastries
8:25 – 8:30 AM	Introductory Remarks
8:30 – 9:20 AM	**Session 1: Kidney Function in Health and Disease**
8:30 – 8:35 AM	Session Introduction, Clintoria Williams, Wright State University
8:35 – 8:50 AM	Unmesha Hemant Thanekar, Graduate Student, Wright State University, *Effect of canagliflozin on renal and urinary biomarkers for diabetic kidney disease in db/db diabetic mice*
8:50 – 9:05 AM	Usman Ashraf, Graduate Student, University of Toledo, *Coup-TFII regulates SMAD signaling cascade in renal fibrosis*
9:05 – 9:20 AM	Clintoria Williams, Assistant Professor, Wright State University, *Zinc deficiency promotes hypertension by driving NFκB-mediated renal sodium retention*
9:20 – 9:40 AM	Coffee and Pastries
9:40 – 10:30 AM	**Session 2: Skeletal Muscle Physiology and Disease**
9:40 – 9:45 AM	Session Introduction, Katherine Vest, University of Cincinnati

9:45 – 10:00 AM	Michael Petrany, Graduate Student, Cincinnati Children's Hospital, *Divergent cell-specific consequences of myomaker expression in dystrophic skeletal muscle*
10:00 – 10:15 AM	Abdulrahman Jama, Graduate Student, Wright State University, *Lipin1 Regulates Myoblast Differentiation through the MyoD-Mef2c-HDAC5 Axis*
10:15 – 10:30 AM	Sabrina Metzger, Graduate Student, Wright State University, *The central role of subthreshold currents in disorders of muscle excitability*
10:30 AM – 2:30 PM	**Posters/Lunch**
2:30 – 3:20 PM	**Session 3: Ion Channels in Physiology and Disease**
2:30 – 2:35 PM	Session Introduction, Harpreet Singh, Ohio State University
2:35 – 2:50 PM	Ameet Chimote, Research Associate, University of Cincinnati, *Attenuated potassium channel function in T lymphocytes contributes to reduced immune surveillance in cancers*
2:50 – 3:05 PM	Elizabeth Evans, Graduate Student, *Biophysical properties and biochemical compositions of ventricular membranes may explain variation in cardiac performance among Antarctic Notothenioid fishes, Ohio University Department of Biological Sciences*
3:05 – 3:20 PM	Shubha Gururaja Rao, Assistant Professor, Ohio State University, *Role of BK in mitochondrial functions and life span*
3:20 – 3:45 PM	Coffee and Pastries
3:45 – 4:30 PM	**Awards**

Oral Presentations

Session 1: Kidney Function in Health and Disease September 21st, 2019 8:35 – 8:50 AM

Effect of canagliflozin on renal and urinary biomarkers for diabetic kidney disease in db/db diabetic mice

Unmesha Thanekar – Graduate Student

Wright State University Boonshoft School of Medicine, Dayton, OH

Session 1: Kidney Function in Health and Disease September 21st, 2019 8:50 – 9:05 AM

Coup-TFII regulates SMAD signaling cascade in renal fibrosis

Usman Ashraf – Graduate Student

Department of Physiology and Pharmacology, Center for Hypertension and Precision Medicine, Department of Medicine, University of Toledo College of Medicine and Life Sciences. Toledo, OH.

Session 1: Kidney Function in Health and Disease September 21st, 2019 9:05 – 9:20 AM

Zinc Deficiency Promotes Hypertension by Driving NFκB-Mediated Renal Na^+ Retention

Clintoria Williams – Assistant Professor

Wright State University Boonshoft School of Medicine, Dayton, OH

Session 2: Skeletal Muscle Physiology and Disease September 21st, 2019 9:45 – 10:00 AM

Divergent cell-specific consequences of myomaker expression in dystrophic skeletal muscle

Michael Petrany – Graduate Student

Cincinnati Children's Hospital

Session 2: Skeletal Muscle Physiology and Disease September 21st, 2019 10:00 – 10:15 AM

Lipin1 Regulates Myoblast Differentiation through the MyoD-Mef2c-HDAC5 Axis

Abdulrahman Jama – Graduate Student

Wright State University Dayton, OH

Session 2: Skeletal Muscle Physiology and Disease September 21st, 2019 10:15 – 10:30 AM

The central role of subthreshold currents in disorders of muscle excitability

Sabrina Metzger – Graduate Student

Wright State University

Session 3: Ion Channels in Physiology and Disease September 21st, 2019 2:35 – 2:50 PM

Attenuated potassium channel function in T lymphocytes contributes to reduced immune surveillance in cancers

Ameet Chimote – Research Associate

University of Cincinnati

Session 3: Ion Channels in Physiology and Disease September 21st, 2019 2:50 – 3:05 PM

Biophysical properties and biochemical compositions of ventricular membranes may explain variation in cardiac performance among Antarctic Notothenioid fishes

Elizabeth Evans – Graduate Student

Ohio University Department of Biological Sciences

Session 3: Ion Channels in Physiology and Disease September 21st, 2019 3:05 – 3:20 PM

Role of BK in mitochondrial functions and life span

Shubha Gururaja Rao – Assistant Professor

Ohio State University

Abstracts

Session A: Muscle Physiology and Disease

A-1. The Role of Subthreshold Currents during Repetitive Firing in Normal Muscle
Jessica Myers and Mark Rich

A-2. The central role of subthreshold currents in disorders of muscle excitability
Sabrina Metzger, Chris Dupont, Andrew A. Voss, Mark M. Rich

A-3. Discovery of plateau potentials in myotonia congenita suggests a novel approach to therapy of myotonia congenita and hyperkalemic periodic paralysis
Chris DuPont, Ahmed A Hawash, Andrew Koesters, Kevin R Novak, Xueyong Wang, Kirsten Denman, Rudi Vennekens, Marc Friechel, Anamika Dayal, David Ladle, Manfred Grabner, Andrew A Voss, Mark M Rich

A-4. Skeletal Muscle Excitation in Huntington's disease
Daniel R. Miranda, Eric J. Reed, Mark M. Rich, Andrew A. Voss

A-5. Development of an in vivo muscle force system to assess neuromuscular dysfunction
Steve Burke and Andrew Voss

A-6. The RNA encoding the trans-Golgi copper transporter ATP7A is regulated via the 3' untranslated region in skeletal muscle cells
Kierra Ware, Yu Zhang, Katherine Vest

A-7. Post Transcriptional Regulation of the RNA Encoding the trans-Golgi Copper Transporter ATP7A in Skeletal Muscle Cells
Thomas Whitlow, Yu Zhang and Katherine E. Vest

A-8. Lectin Staining for the Assessment of Gene Therapy in GNE Myopathy
Bri Goines*, Kristie Sattler*, Kelly E. Crowe.
*Contributed equally to this work

A-9. Compromised membrane repair in myoblasts from GNE myopathy patients
Diana Hallak, Thomas A. Kwiatkowski, Brian Paleo, Kevin McElhanon, Katherine Koczwara, Angela Lek, Monkol Lek and Noah Weisleder

A-10. Autoantibodies targeting TRIM72/MG53: A novel mechanism in idiopathic inflammatory myopathy
Kevin E. McElhanon, Nicholas Young, Jeffrey Hampton, Brian J. Paleo, Thomas A. Kwiatkowski, Eric X Beck, Ana Capati, Rohit Aggarwal, Chester V. Oddis, Wael N. Jarjour, Noah Weisleder

A-11. Development of compact engineered recombinant proteins for improved cell membrane repair capacity
Miguel A. Lopez Perez, Thomas A. Kwiatkowski, Brian Paleo, Kevin McElhanon and Noah Weisleder

A-12. Key Facilitator Proteins that Mediate Sarcolemma Membrane Repair have Potential as Therapeutics for Muscle Disease and Injury
Thomas A. Kwiatkowski, Aubrey Rose, Kevin McElhanon, Brian Paleo, Eric X Beck, Sayak Bhattacharya, Noah Weisleder

Session B: Cancer and Cell Proliferation

B-1. Pembrolizumab treatment increases K+ channel function and calcium fluxes in cytotoxic T cells of head and neck cancer patients
Hannah S. Newton*, Vaibhavkumar Gawali[1]*, Ameet A. Chimote*, Maria Lehn, Sarah Palackdharry, David Hildeman, Edith

Janssen, Trisha Wise-Draper, and Laura Conforti; *Authors contributed equally

B-2. Pembrolizumab alters K+ channel function to modulate Ca2+ fluxes in T cells of head and neck cancer patients
Vaibhavkumar S. Gawali, Ameet A. Chimote, Martina Chirra, Hannah S. Newton, Edith M. Janssen, Trisha Wise-Draper, Laura Conforti

B-3. TIP60 upregulates ΔNp63α to promote cellular proliferation
Andrew J. Stacy, Jin Zhang, Michael P. Craig, Akshay Hira, Nikhil Dole and Madhavi P. Kadakia

B-4. TIP60 regulation of ΔNp63α is associated with cisplatin resistance
Akshay Hira and Madhavi Kadakia

B-5. ΔNp63α suppresses cell invasion by modulating Rac1 activity
Amjad A. Aljagthmi, Natasha T. Hill, Mariana Cooke, Marcelo G. Kazanietz, Martín C. Abba, Weiwen Long, Madhavi P. Kadakia

B-6. Insulin-like growth factor-1 (IGF-1) impacts p53 function in UVB-irradiated human keratinocytes and skin epidermis
Abdulrahman Alkawar and Michael G. Kemp

B-7. Hierarchical Hybrid Carbon Nantotube-coated materials as Bioscaffolds for Wound Healing
Soham D Parikh, Courtney E.W. Sulentic & Sharmila M Mukhopadhyay[1]

B-8. Creatine Protects Fibroblasts from Stress Induced Senescence.
Avinash S Mahajan, Michael G Kemp, Christine M Rapp, Jeffrey B Travers

B-9. Photodynamic therapy induces Microvesicle particles production.
Oladayo A. Oyebanji, Langni Liu, Christine M. Rapp, Jeffrey B. Travers

B-10. The role of the platelet activating factor-receptor in miR-149-mediated effects on lung cancer growth and treatment efficacy
Shreepa Chauhan, Anita Thyagarajan, Ravi P Sahu

B-11. Advancements in VEGF-Based Targeted Therapy Approaches for Lung Cancer
Bushra Faisal Al-Harbi, Felicia Chee-Tuan Gooden, Anita Thyagarajan, Ravi P. Sahu

B-12. KRAS Pathway based Targeted Therapy Responses in Pancreatic Cancer
Abdullah Althaiban, Anita Thyagarajan and Ravi P. Sahu

B-13. Inhibition of TRAF6 signaling as a therapeutic approach in acute myeloid leukemia (AML)
Vighnesh Ramesh, Avery M Sampson, Laura Barreyro, Lyndsey C Bolanos, William L Seibel, Daniel T Starczynowski

B-14. Cellular shrinkage rather than potassium loss promotes caspase-3 activation and cytochrome-c release, two essential signs of apoptosis
P. Rana, M. Kurokawa and M. Model

Session C: Nervous System and Disease

C-1. Simulations of SK2 and SK3 currents in spinal motoneurons
Mohamed H. Mousa, Amr Mahrous, Sherif M. Elbasiouny

C-2. Hypoexcitability and Hyperexcitability in Sacral Motorneurons of SOD1G93A-High Mice: Disease versus Compensation
Christiana S.I. Draper, Amr A. Mahrous, Sherif M. Elbasiouny

C-3. CyPPA effects on SK Channels in SOD1G93A Mouse Model
Matthew M. Murphy, Teresa L. Garrett, Sherif M. Elbasiouny

C-4. Cell typing of mouse spinal motoneurons using immunohistochemistry markers
T.L. Garrett, C.L. Wintermut, M. Moran, M. Elbasiouny

C-5. Contrasting changes in Kv2.1 channel expression level between disease-resistant and disease-vulnerable SOD1G93A motoneurons in ALS
Joshua C. Harris, Teresa L. Garrett, Sherif M. Elbasiouny

C-6. Fast-Blue vs. Cholera-Toxin B: Which Retrograde Tracer is Better for Spinal Motoneurons Labeling?
Hasan Farid, Weston B. Gelford, Lori L. Goss, Teresa L. Garrett and Sherif M. Elbasiouny

C-7. Methylglyoxal disrupts the axon initial segment (AIS) and neuronal network activity
Ryan B. Griggs, Jeneane M. Jaber, Duc V.M. Nguyen, Leonid M. Yermakov, Domenica E. Drouet, Keiichiro Susuki

C-8. Methylglyoxal disrupts the nodes of Ranvier in the central nervous system
Duc V.M. Nguyen, Parker A. Vaughan, Josef K. Steinbrunner, Leonid M. Yermakov, Ryan B. Griggs, David R. Ladle, Keiichiro Susuki.

C-9. Characterization of proprioceptive neuron gene expression after peripheral nerve injury
Bahir Al-Anbari, Alex Nguyen, Nathan Keefer, Arian McNeil, Troy Ricker, James Hart, Stamatina Tolias, David R. Ladle.

C-10. Magnesium-Based Biodegradable Material to Enhance Peripheral Nerve Repair
Lubna Abu-Niaaj, Greg Harris, Sarah K. Pixley

C-11. rhMG53-mediated protection against injury to the nervous system
Brian J. Paleo, Kathryn Madalena, Rohan Mital Kevin McElhanon, Tom Kwiatkowski, Aubrey Rose, Jessica Lerch, Noah Weisleder

C-12. Transketolase-like 1 inhibition as a therapeutic target for diffuse midline glioma
Christopher A. Waker, Thomas L. Brown, & Robert M. Lober

C-13. The Effects of Dexamethasone on Diffuse Intrinsic Pontine Glioma Sensitivity Toward Panobinostat, A Potential Chemotherapeutic Treatment
Collin J. Vinson, Christopher A. Waker, Chanel Keoni, Robert M. Lober

Session D: Kidney, Circulation and Placenta

D-1. Effect of canagliflozin on renal and urinary biomarkers for diabetic kidney disease in db/db diabetic mice
Unmesha Thanekar, Rupinder Gill, Khalid M. Elased

D-2. Effects of Angiotensin II Type 1 A Receptor (AT1aR) on renal and urinary biomarkers of acute kidney injury in Two-kidney One Clip model of Renovascular Hypertension.
Anhar Hosawi, Sanjeev Dhakal, Laale Alawi, Harshal Sawant, Unmesha Thanekar, Nadja Grobe and Khalid M. Elased

D-3. Coup-TFII regulates SMAD signaling cascade in renal fibrosis
Usman M Ashraf*, Vishnuprabu Durairaj Pandian*, David J Kennedy, Steven T. Haller, Lance Dworkin, Sivarajan Kumarasamy; *Equal contribution

D-4. Functional Profiling of Kidney Infiltrating T Lymphocytes in Lupus Nephritis
Farhan Z. Ilyas, Ameet A. Chimote, Masaaki Yamada, Heather J. Duncan, Shashi K. Kant Marat Khodoun and Laura Conforti

D-5. A nanoparticle-based approach targeting ion channels for the treatment of Lupus nephritis
Ameet A. Chimote, Marat Khodoun Heather J. Duncan, Shashi K. Kant and Laura Conforti

D-6. Zinc Deficiency Promotes Hypertension by Driving NFκB-Mediated Renal Na+ Retention
Dylan S. Schindele*, Cindellynn K. Murta*, Meagan K. Naraine, Tara-Yesomi Wenegieme, Aston M. J. Waite, Martha J. Sonner and Clintoria R. Williams

D-7. Zinc Deficiency Drives Renal NFκB Activation
Tara-Yesomi Wenegieme*, Aston M. J. Waite*, Meagan K. Naraine, Dylan S. Schindele, Cindellynn K. Murta, Martha Sonner and Clintoria R. Williams; Equal contribution

D-8. Activation of TRPA1 channel attenuates ischemia induced cardiomyocyte cell death
Monica Ghosh, Spencer R. Andrei, Derek S. Damron

D-9. Investigating the role of Sertad4 in cardiac fibrosis
Lynn Marcho, Erin McGrail, Matthew Stratton

D-10. Characterization of perfluoropentane droplets manufactured using microfluidics
Abby Clark, Rachel Benton, Kevin J Haworth

D-11. Biophysical properties and biochemical compositions of ventricular membranes may explain variation in cardiac performance among Antarctic Notothenioid fishes
Elizabeth R Evans, Amir M. Farnoud, Elizabeth L. Crockett

D-12. Early cellular mechanisms contributing to Rbpj deficient Brain Arteriovenous Malformation pathogenesis in mice
Subhodip Adhicary & Corinne M. Nielsen,

D-13. Maternal FUT2 Status and Infant Gastrointestinal and Respiratory Infections
Grace E. Adkins Alexander Thorman, Shannon Conrey, Allison R. Cline, Tejeswini Siva Sathya, Mary Allen Staat, Ardythe L. Morrow

D-14. Trophoblast Giant Cell-Specific Gene Targeting
Sarah D. Williams, Savannah R. Doliboa and Thomas L. Brown

D-15. Optimization of Lipid-Polymer Hybrid Nanoparticles for Cargo Delivery
Danielle Spanbauer, Sarah Williams, Thomas L. Brown

Session E: Physiology and Pathophysiology I

E-1. Generators of Alpha Oscillations
Kevin E. Alexander, Justin R. Estepp, Sherif M. Elbasiouny

E-2 - The effects of mental workload on P300 amplitude for use in cognitive probing
C. L. Wintermute; J. R. Estepp; K. E. Alexander; A. M. Piasecki; S. M. Elbasiouny

E-3. Oxygen-Sensing by the Carotid Body: The Thermal Micro-Domain Theory
Ryan J. Rakoczy & Christopher N. Wyatt

E-4. Genome-wide discovery of human-gene enhancers of synucleinopathy

Ishita Haider, Yali Chi, Shuzhen Chen, Elliott Hayden, Shulin Ju, Quan Zhong

E-5. Individual differences in psychological factors and pain
Benjamin M Hunter, Hadas Nahman-Averbuch, Eric Leon, Justice Williams, Brendan Louderback, Marie-Eve Hoeppli, Christopher D King, Robert C Coghill

E-6. Non-addictive drug combinations to treat chronic pain and to try to eliminate transition from acute to chronic pain.
Tahir Sulehria, Destiny Williams, Rebecca Elliston, Razia Johnson-Richardson, and Adrian M. Corbett

E-7. Lipin-1 regulates Bnip3–mediated mitophagy in glycolytic muscle
Abdullah A. Alshudukhi, Jing Zhu, Dengtong Huang, Abdulrahman Jama, Jeffrey D. Smith, Qing Jun Wang, Karyn A. Esser and Hongmei Ren

E-8. Lipin1 Regulates Myoblast Differentiation through the MyoD-Mef2c-HDAC5 Axis
Abdulrahman Jama, Dengtong Huang, Abdullah Alshaduki, Roman Chrast, Hongmei Ren

E-9. Lipin1 deficiency leads to myopathy
Sandhya Ramani Sattiraju, Rebecca R Reese, Abdullah A. Alshudukhi, Abdulrahman Jama, Elise M Hill and Hongmei Ren

E-10. Role of TRPM7 channels in immunotoxicity of divalent metal cations
Alayna Mellott, Jananie Rockwood and J. Ashot Kozak

E-11. Consequences of TRPM7 kinase inactivation in murine macrophages
Jananie Rockwood, Pavani Beesetty, Masayuki Matsushita and J. Ashot Kozak

E-12. Formulation of osteogenic bio-ink embedded with de-cellularized bone matrix-PLA hybrid microspheres for bone regeneration
Jesse Li, Sumit Murab, Stacey Gruber, Sepideh Shanhsaz, John Stoffer, Patrick W Whitlock

E-13. Differential Nuclear Localization of SOX18 Variants in Transiently Transfected Epithelial Cells
William Cvammen, Jeremy W. Prokop, Dinah Qutob, Thomas Freeland, Adam C. Underwood

Session F: Physiology and Pathophysiology II

F-1. Estimating photosynthesis of attached algal biofilms using Pulse Amplitude Modulated fluorometry
Leon Katona, Katie Hossler and Yvonne Vadeboncoeur

F-2. Body Mass of Pregnant Eptesicus fuscus is Diverging with Long-term Exposure to Pseudogymnoascus destructans
Molly C Simonis, Lynn K Hartzler, Greg G Turner, Michael R Scafini, Joseph S. Johnson and Megan A. Rúa

F-3. Modeling ulcerative colitis epigenetic changes through patient-derived colon organoids
Stefani LoPresti, Sejal Fox, Michael J Rosen

F-4. Nuclear Speckle Protein SON's Role in Transcription Regulation at an Inducible Reporter Gene Array
Melissa J. Ward and Paula A. Bubulya

F-5. Expression of Kcc2a-S25, a new splice variant of the neuronal K+Cl– cotransporter-2 in endocrine tissues and testicle germ cells
Yaksh Rathod, Shams Kursan, Eduardo Dias-Junior, Lisa Kelly and Mauricio Di Fulvio.

F-6. Differential MicroRNA Biomarker Expression in Response to Moderate and High Intensity Exercise Regimen
Jin Zhang*, Michael Craig*, Akshay Hira, Michael Markey, Michael Raymer, Tim Broderick, and Madhavi Kadakia; * Contributed equally

F-7. Enhanced expression of receptor tyrosine kinase Mer (MERTK) on SOCS3-treated polarized RAW 264.7 anti-inflammatory M2c macrophages
Sankhadip Bhadra and Nancy J. Bigley

F-8. Dynamics of infant nasopharyngeal microbiome over the first year of life
Hannah Kim, Sara Mertz, Alexis Juergensen, Asuncion Mejias, Octavio Ramilo

F-9. The Roles of Glycosylating Aquaporins in Cold-Acclimating Treefrog Erythrocytes
Stogsdill, Brian; Frisbee, Jim; Goldstein, David

F-10. Loss of Peptidyl-Arginine Deiminase 1-mediated Citrullination Drives Esophageal Epithelial Barrier Impairment in Allergic Inflammation
Rishi S. Mehta; Mark Rochma; Marc E. Rothenberg

F-11. Bilirubin Induces PPARα Transcription for Metabolic Regulation
Darren M Gordon, Samuel Adeosun, David Stec, Terry D. Hinds, Jr.

F-12. Oligomerization of ferroportin may explain the autosomal-dominant inheritance of ferroportin disease
Claire F Voegele, John P Bonamer, T Alex Ruwe, Bo Qiao, Corbin R Azucenas, Tomas Ganz, Elizabeta Nemeth, and Bryan Mackenzie

F-13. Functional properties of mouse ferroportin, an iron-export protein
Corbin R Azucenas, John P Bonamer, T Alex Ruwe, Bo Qiao, Tomas Ganz, Elizabeta Nemeth, and Bryan Mackenzie

F-14. Transport mechanism of the mammalian iron exporter, ferroportin: A research proposal
T Alex Ruwe, Corbin R Azucenas, John P Bonamer, Chandrika N Deshpande, Bo Qiao, Tomas Ganz, Elizabeta Nemeth, Mika Jormakka, and Bryan Mackenzie

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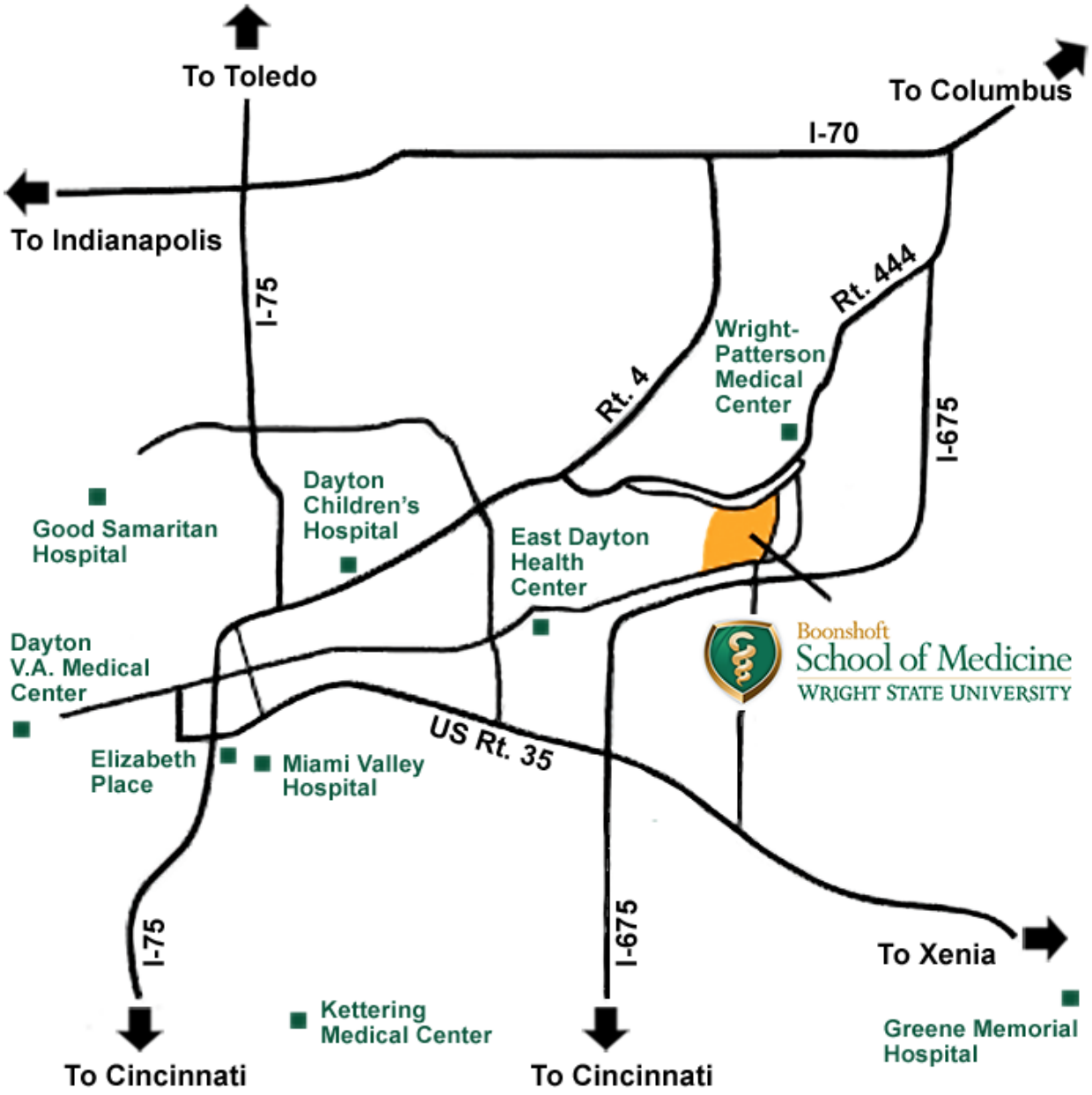
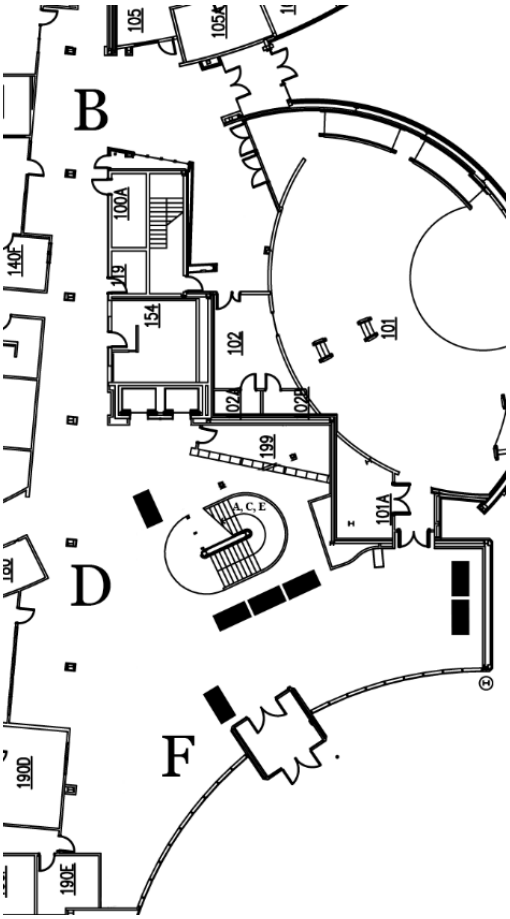
Directions to Wright State University – White Hall

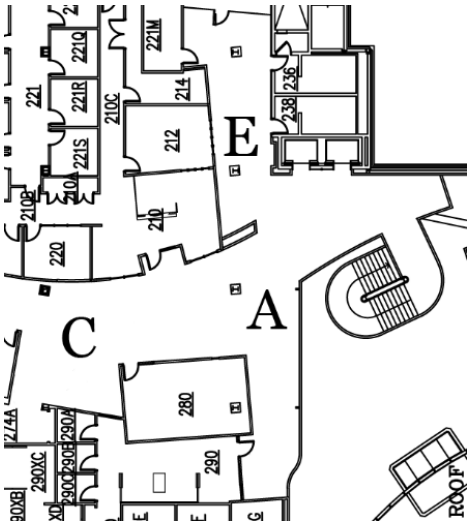
- **From north of Dayton on I-75.**
  Take I-75 south to I-70 east. Go east to I-675 south. Go south to Exit 17 and turn right onto North Fairfield Road. Travel about 1/2 mile to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.
- **From south of Dayton on I-75.**
  Take I-75 north to I-675 north. Go north to Exit 17 and follow the right fork of the exit ramp (do not follow the signs to Wright State). Turn left on North Fairfield Road. Travel about 1/2 mile to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.
- **From east of Dayton on I-70.**
  Take I-70 west to I-675 south. Go south to Exit 17 and turn right onto North Fairfield Road. Travel about 1/2 mile to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.
- **From west of Dayton on I-70.**
  Take I-70 east to I-675 south. Go south to Exit 17 and turn right onto North Fairfield Road. Travel about 1/2 mile to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.
- **From east of Dayton on Route 35.**
  Take Route 35 west to North Fairfield Road. Turn left onto North Fairfield Road. Travel about 5 miles to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.
- **From west of Dayton on Route 35.**
  Take Route 35 east to I-675 north. Go north to Exit 17 and follow the right fork of the exit ramp (do not follow the signs to Wright State). Turn left on North Fairfield Road. Travel about 1/2 mile to Col. Glenn Highway. Turn left onto Col. Glenn Highway at the traffic light in front of the Nutter Center. Turn right onto campus at Center Road. To go to White Hall, take your first left and park in Lot 16 in front of the building.


To Toledo
To Columbus
I-70
To Indianapolis
I-75
Rt. 444
Wright-
Patterson
Medical
Center
Rt. 4
I-675
Dayton
Children's
Hospital
Good Samaritan
Hospital
East Dayton
Health
Center
Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY
Dayton
V.A. Medical
Center
US Rt. 35
Elizabeth
Place
Miami Valley
Hospital
I-75
I-675
To Xenia
Kettering
Medical Center
Greene Memorial
Hospital
To Cincinnati
To Cincinnati

White Hall Floor Plan



1st floor



2nd floor