PATH TO HEALTH PROFESSIONS DAY
Is helping others in your future?

Monday, February 19, 2018
9:00 am – 1:00 pm
Wright State University
Student Union
Welcome!

Thank you for attending our 13th annual Presidents’ Day “Path to Health Professions” event. We are happy to have you as guests of Wright State University and look forward to sharing information about healthcare careers, RAIDER campus, and the many opportunities available to our students.

Career Information Sessions: Our program is designed to allow flexibility in selecting which presentations you would like to attend, together as a group or individually. We invite you to spend a few minutes reviewing the session descriptions and choosing which sessions might pertain to your interests. There are a number of careers in the health professions, some of which you may be less familiar with. Step outside of your comfort zone and explore your options!

Interdisciplinary Panels: This year we organized a diverse panel of experts from a wide variety of healthcare fields. Our panelists work together to tackle issues surrounding our community and to educate the population. You’re probably familiar with the saying “it takes a village to raise a child”. The same holds true in healthcare….it takes a team of professionals working together to treat patients and keep our community healthy. Our interdisciplinary themes focus on two current diseases (influenza and opioid addiction), a popular field of study (sports medicine) and a new area to explore (neuroscience). Can’t decide on which one to attend? Divide your group and share with each other afterwards. Bring your questions and get answers from our panelists.

Tours: We hope to accommodate as many students on tours as would like to go. The tours are limited in size so please make sure to sign up sooner rather than later. Sign-up sheets are located outside of the Apollo room in the Skylight lobby.

- **Research Lab tour:** Participants will be guided through the Neuroscience Engineering Collaboration (NEC) building and other science laboratories on campus. The NEC building is a 90,000-square-foot facility centrally situated within the biomedical and engineering research hub on the Wright State campus and is home to translational research and collaboration with highly integrated laboratories for students and faculty researchers.

- **Campus and Housing tour:** Student Ambassadors from the Offices of Undergraduate Admissions and Housing will lead you on a tour of our beautiful 500-acre wooded campus. See classrooms, campus housing options, and our very own underground tunnels!

- **Medical School tour:** As a medical student at Boonshoft School of Medicine, The Gandhi Medical Education Center in White Hall will quickly become your home away from home. You'll benefit from outstanding learning technology, two technologically based lecture halls, a state-of-the-art anatomy lab, three computer labs with more than 100 work stations and more. Join a medical student for a tour today!

- **Nursing Skills Lab tour:** The College of Nursing and Health offers nine state-of-the-art nursing labs that include medical simulators that mimic almost any imaginable patient scenario, including childbirth, cardiac events requiring CPR and defibrillation, and seizures. Come check it out!

Registration bag: Our gift to you! Make it your goal today to gather as much information as you can about the professions that interest you or would like to learn more about. Don’t forget to pick up information on how to become a future RAIDER, too! If you leave today knowing more about the health professions than when you arrived, we’ve successfully accomplished our mission!

Enjoy your day --

Jacqui Neal
Assistant Dean
College of Science & Mathematics
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<tr>
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<td>8:00 – 9:00 am</td>
<td>Registration</td>
<td>Student Union Main Entrance</td>
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<tr>
<td>9:00 - 9:15 am</td>
<td>Welcome and Overview</td>
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<td><strong>Session I</strong></td>
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<td>9:20 – 9:50 am</td>
<td>Allopathic Medicine (M.D.)</td>
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<td>Veterinary Medicine</td>
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<td>Where are we making a difference?</td>
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<td><strong>Session IV</strong></td>
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<td>12:20 - 12:50 pm</td>
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<td><strong>Campus Tours - Optional</strong></td>
<td>Please sign up for your tour in the Skylight lobby (outside the Apollo room). Lunch will be provided to students attending tours</td>
<td>Meeting locations:</td>
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<td>1:00 pm Tours</td>
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*Agenda is subject to change*
Section I: 9:20-9:50a

Allopathic Medicine (MD) & the Boonshoft School of Medicine: Since its establishment in 1973, the Wright State University Boonshoft School of Medicine has become a nationally recognized leader in medical education. If you're interested in medicine, you don't want to miss an opportunity to learn about our medical school. Find out what a competitive applicant looks like and learn more about the various pathways to a medical degree.  
Presenter: Leann Poston, MD, Assistant Professor, Pediatrics, Assistant Dean of Student Affairs & Admissions, Wright State University Boonshoft School of Medicine [Apollo Room]

Veterinary Medicine: Doctors of veterinary medicine are medical professionals who play a significant role in the health care and welfare of animals, human public health, medical research, and public safety. They have a broad-based medical background and serve in many capacities. This session will discuss the roles of veterinarians, aspects of preparing for and applying to veterinary schools and colleges, and employment opportunities available to new veterinarians.  
Presenter: Emily Dudley, DVM, Wright State University [E156 SU]

Clinical Mental Health Counseling: Mental health counselors diagnose as well as treat mental illness. Some mental health counselors help people cope with difficult life events (e.g., illness, death, relationship problems) while others help people manage serious mental illnesses like bipolar disorder. According to the Bureau of Labor Statistics, job for mental health counselors will grow 36% through 2020.  
Presenter: Huma Bashir, PhD, Asst Professor and Tara Hill, PhD, Asst Professor, Department of Human Services, Wright State University [E163 SU]

Optometry: Are you interested in becoming an optometrist? If so, don't miss out on this session! Optometry is ranked as one of the best professions because of its regular hours, few emergency calls and collaboration with other professionals. General statistics on applications, GPAs, and OAT scores will be presented. Find out the many options within this field.  
Presenter: Harolynn Williams, MSEd, Pre-Health Program, Wright State University [Rathskellar]

Dentistry: The opportunities and responsibilities that exist for dentists during this time of change in health care delivery make dentistry one of the most exciting, challenging and rewarding professions. It is projected that careers in dentistry will increase significantly over the next 10 years. Come learn about this profession and how to best prepare yourself for dental school.  
Presenter: Harolynn Williams, MSEd, Pre-Health Program, Wright State University [Rathskellar]

Chiropractic Medicine: Chiropractic is a branch of the healing arts that is based on the premise that good health depends, in part, upon a normally functioning nervous system. The primary procedure in chiropractic health care is, by using natural methods, to examine and evaluate the spine and pelvis to determine if one or many areas of the spine are malfunctioning or causing abnormal body movements. Attend this session to learn of the many different areas that Chiropractors can work.  
Presenter: Terry McCoskey, DC, Living Well Spine Center, Fairborn, OH [E157 SU]

Section II: 9:55-10:25a

Osteopathic Medicine (DO): Interested in being a physician? There are two types of medical physicians practicing in the United States, the allopathic (or MD) and osteopathic (or DO) physician. Are there any differences in their medical education? Do they both offer the same residency opportunities? What are the general admission statistics for someone entering an osteopathic medical school? If you have an interest in medical school and want to learn more about the philosophy behind osteopathic medicine, don't miss out on this presentation!  
Presenter: Jill Harman, Director of Admissions, Ohio University Heritage College of Osteopathic Medicine [Apollo Room]
Nursing/Nurse Practitioner: Many students are interested in a career in nursing. The College of Nursing and Health at Wright State will present to you the requirements for a bachelor's degree in nursing and how it can lead you to a successful career. In addition, you will learn more about what a Nurse Practitioner does, the education required to pursue this career, and how this independent health care provider contributes to health care. Presenter: Deb Poling, PhD, FNP-BC, CNE, Associate Professor and Assistant Dean for Graduate Programs, Wright State University College of Nursing and Health [E156 SU]

Pharmacy: Pharmacy is one of the fastest growing fields in the health professions. Currently, there are an estimated 7,000-10,000 unfilled pharmacy positions in the United States and surveys show that by the year 2020, 150,000 more pharmacists will be needed than are working today. What is the education required to be a pharmacist? What are the working conditions like as a pharmacist? What types of careers are available to pharmacists? This session will provide you with those answers and more! Presenter: David Ormsbee, PharmD, Cedarville University College of Pharmacy [E163 SU]

Rehabilitation Services: Rehabilitation counselors help people with disabilities to achieve their personal, social, psychological and vocational goals. They counsel people with physical, sensory, developmental and cognitive disabilities and those with mental health or other health conditions that are acquired at birth or resulting from illness, disease, accident, military service and/or ongoing stress. Using interventions and other counseling techniques, they help their clients overcome environmental and attitudinal barriers, obtain needed services and use technology that can assist them. Presenter: Gina Oswald, PhD, Assoc Professor, Department of Human Services, Wright State University [Rathskellar]

Occupational Therapy: This is a dynamic and progressive profession with continued advances in innovative practice, education, lifelong learning and public advocacy. Currently, individuals can practice as an occupational therapist with either a master’s or doctoral degree. The OT’s goal is to assist and educate their clients so that they can have independent, productive and satisfying lives. OTs must have patience and strong interpersonal skills to inspire trust and respect. Presenter: Harolynn Williams, MEd, Pre-Health Program, Wright State University [Rathskellar]

Social Work: Social work is a helping profession; the main goal of this career is to improve a society’s overall well-being. Distinguishing characteristics of this profession are its emphasis on the person-in-environment model and social justice. Social workers work with people to examine their relationships, family history, work environment, community environment, and the structures and policies that impact them in order to identify ways to address a problem or challenge such as poverty, abuse, addiction and mental illness. Employment opportunities in this field are expected to grow at a rate of 25% between now and 2020. Presenter: Jennifer Hughes, PhD, Asst Professor of Social Work and BSW Director, Wright State University [E157 SU]

Session III: 10:30-11:40a

Influenza Season [Apollo Room]: The flu is a contagious respiratory illness caused by viruses that infect the nose, throat and lungs. Symptoms include fever, cough, sore throat, runny or stuffy nose, body aches, headache, chills, fatigue and sometimes diarrhea and vomiting. Millions of people become ill from the flu each year forcing them to miss work and school. In addition, according to the Centers for Disease Control and Prevention, hundreds of thousands of people are hospitalized and thousands of people die from the flu annually.

Recently, the level of flu activity in Ohio was raised to “widespread”, the highest level of concern. Increased numbers of flu cases have been seen at area hospitals and visitor restrictions are being placed at local adult, short-term acute hospitals to minimize the spread of the flu. As published by the Public Health Department of Dayton and Montgomery County, there have been more than 638 confirmed influenza-associated hospitalizations regionally since the beginning of the year. In addition, another 2,344 outpatient influenza cases have been reported.
An annual flu vaccine is the best way to protect yourself and others from the flu. Seasonal flu outbreaks can happen as early as October, flu activity is usually highest between December and February. It takes about two weeks after getting vaccinated for antibodies to develop in the body.

Join this session and learn more about the flu from our healthcare clinicians and researchers. Panelists include:

Christine Smith, MD, EM-Specialists, Board Certified Emergency Physician
Doug Leaman, PhD, Research Virologist & Dean, College of Science & Mathematics
Leatha Ross, PhD, FNP-BC, Director, Student Health Services, Wright State University
Ryan Centini, DVM, Clinical Veterinarian, Wright State University
Michael Dohn, MD MSc, Medical Director, Public Health of Dayton and Montgomery County

Moderator: Tanner Hudson

Opioid Crisis [E156 SU]: In Ohio, unintentional drug overdoses are the leading cause of accidental deaths. According to law enforcement officials, the location Montgomery County has made it an ideal distribution hub for drug cartels as two major interstates intersect in the northeast corner of the region. Dr. Kent Harshbarger, the coroner for Montgomery County, told CNN news that “most nights, the freezer in Montgomery County's morgue is stacked floor-to-ceiling with bodies”. Experts say the spike in overdose deaths in Monty County, and in many places across the country, is largely due to heroin’s opiate cousins: fentanyl and its more potent analogues like carfentanil.

Join this session to see how Wright State University and our community partners are playing a part in fighting the opioid battle. Panelists include:

Kevin Lorson, PhD, Professor and Director, Physical Education Licensure Program, KNH
Sarena Weikart, MS, LPCC, Mental Health Counselor, Beckett Springs Hospital
Sara Paton, PhD, Assoc Professor, Epidemiologist, Population & Public Health
Megan Smith, current MD/MPH student, Boonshoft School of Medicine
David Ormsbee, PharmD, Cedarville University College of Medicine
Jennifer Hughes, PhD, Asst Professor, Department of Social Work
Ioana Pavel-Sizemore, PhD, Assoc Professor, Department of Chemistry

Moderator: Catherine Evers-Smith

Sports Medicine [E163 SU]: Sports medicine focuses on helping people improve their athletic performance, recover from injury and prevent future injuries. It is a fast-growing health care field, because health workers who specialize in sports medicine help all kinds of people, not just athletes. Sports medicine professionals treat amateur athletes, those who want better results from their exercise program, people who have suffered injuries and are trying to regain full function and those with disabilities who are trying to increase mobility and capability. The career path you take will depend on your interests, your educational goals and the environment in which you want to work. Many careers in this field require advanced degrees and/or certification. Healthcare is a “team sport” and often relies on the expertise of many individuals in treating a patient. In athletic injuries, a patient might work with a chiropractor, athletic trainer or physical therapist. In more severe cases, a sports medicine physician or orthopedic surgeon may also be involved. Join this session to learn more about each of these careers and how they play a part in getting athletes back in the game.

Panelists include:

Adam Horseman, MS, AT, ATC, Clinical Athletic Training, Wright State Physicians
Neuroscience [Rathskellar]: Are you fascinated with the brain and how our nervous system works? Neuroscientists focus on the brain and its impact on behavior and cognitive functions. They also investigate what happens to the nervous system when people have neurological, psychiatric, and neurodevelopmental disorders. They have the daunting task of deciphering the brain’s commands for many diverse functions. The field of neuroscience has grown tremendously as scientists continue to uncover the full extent of what the brain can do.

Eleven percent of the world’s disease burden is neurological in nature, not including mental disorders or addictions. At some point in the lives of the students, they or a friend, family member or colleague will be affected by a neurological disease or condition so it’s important for us to understand how the nervous system works.

A pioneering new program designed to give advanced high school students an interactive experience into the workings of the nervous system has been developed at Wright State University. “Neuro Lab” provides students the opportunity to conduct experiments involving prosthetics, reflexes and muscle fatigue.

Join this session if you want to…..

- learn more about the field of neuroscience
- hear about recent medical advances through cutting-edge research
- participate / watch a Neuro lab demonstration
- learn about a new healthcare career involving motor and sensory function monitoring in real time to identify early signs of evolving neural injury during surgery

Panelists include:

Patrick Sonner, PhD, Director of Undergraduate Neuroscience Program, WSU
Mark Rich, MD/PhD, Professor, Neuroscience, Cell Biology & Physiology; Professor of Neurology, WSU
Chris Wyatt, PhD, Assoc Professor, Neuroscience, Cell Biology & Physiology, WSU
Dragana Clafin, PhD, Assoc Professor of Psychology / Behavioral Neuroscience, WSU
Shannon Romer, PhD, Interoperative Neuromonitor, Children’s Hospital
Joshua Castle, Interoperative Neuromonitor, Children’s Hospital

Moderator:  Dr. Patrick Sonner

Session IV: 11:45a-12:15p

Public Health: There is an increasing demand for public health professionals, yet many students don’t know what they do or what education is required. With threats like the zika virus and ebola, childhood obesity, type 2 diabetes and daily needs such as clean water and safe restaurants, it is important that those interested in the health professions have an understanding of what public health is all about. Presenters:  Sara Paton, PhD, Assoc Prof, Marietta Orlowski, PhD, Assoc Professor, and Cristina Redko, PhD, Assoc Professor, Department of Population & Public Health, Wright State University Boonshoft School of Medicine; and Dr. Michael Dohn, MD MSc, Medical Director, Public Health of Dayton and Montgomery County  [Apollo Room]
Medical Lab Science: The medical laboratory scientist is a vital member of the health care team. The major responsibilities of a laboratory scientist include analysis of patients’ samples in the specialties of chemistry, hematology, microbiology, immunology, transfusion services, and molecular techniques. Come discover one of Wright State’s best kept secrets! **Presenter: Amy Wissman, MS, MT, Director of Medical Laboratory Sciences, Wright State University** [E156 SU]

Professional Psychology / Psychiatry: Many health care providers work together in the treatment of patients. Psychologists and Psychiatrists collaborate in support of patients mental health needs throughout the lifecycle. Mental health includes emotional, psychological and social well-being. Attendees will learn more about professional programs in psychology. **Presenter: Audwin Jones, School of Professional Psychology** [E163 SU]

Physician Assistant: As the nation is facing a shortage in general practitioners, physician assistants (PA) are gaining more responsibilities. According to the Bureau of Labor Statistics, a career as a physician assistant is ranked 4th in projected employment growth and job satisfaction. Join this session to learn more about how this profession has transitioned over the years, the education required to enter a PA program, and the diverse opportunities in this career. **Presenter: Harolynn Williams, MSEd, Pre-Health Program, WSU** [Rathskellar]

Athletic Training: The certified athletic trainer is increasingly viewed as the expert in care of the physically active. Wright State’s program prepares self-directed graduates who can function in a number of settings and work in collaboration with other health care professionals to coordinate and improve the health care of the physically active. Come listen to the director of this program to learn more about this career. **Presenter: Rebekah Bower, MS, AT, ATC, Wright State University** [E157 SU]

**Session V: 12:20-12:50p**

Admissions: Come be a RAIDER! Learn what it takes to get accepted into Wright State University and the necessary steps to complete your admissions and financial aid applications. In addition, learn about the housing and dining opportunities available on campus! **Presenters: WSU Enrollment Management** [Apollo Room]

Closing Remarks:

- An update on TOURS – meeting locations

- Special thanks to
  - **Our sponsor**, the College of Science & Mathematics Pre-Health Program
  - **Path to Health Professions planning committee**: Harolynn Williams, Korrin Ziswiler, Justin Fiehrer, Diana Gonzalez, Tanner Hudson, Bharath Ramini, Adam Girmann, Roselle Almazan, Debbie Garber, and Stephanye Floyd. Your time and effort in planning this event appreciated.
  - **Our volunteers, speakers and tour guides** – without you, this would not be possible. Please join us again next year!
  - **YOU!** Students and guests, thank you for joining us today. We’re glad you came and hope to see you again as RAIDERS in the near future!

- For more information:
  - Careers in healthcare: [www.explorehealthcareers.org](http://www.explorehealthcareers.org)
  - WSU Pre-Health Program: [www.science-math.wright.edu/pre-health-program](http://www.science-math.wright.edu/pre-health-program)
  - RAIDER Admissions: [www.wright.edu/admissions](http://www.wright.edu/admissions)
RATHSKELLAR

To get to the Rathskellar, follow the map towards Jamba Juice. Once there, take the stairs down and the Rathskellar will be immediately on your right.