MedPrep 3 is a workshop composed of five primers designed to assist newly admitted University of Missouri School of Medicine students. The academic primers review the subjects of biochemistry, cell physiology, pharmacology and anatomy as a preparation tool prior to the start of medical school. The professional development primer includes an online component as well as a one-day, onsite workshop that focuses on promoting a diverse and inclusive medical school environment.

### MedPrep Academic Primers

| **Biochemistry Primer** | Provides the opportunity to learn or review material related to biological chemistry and biochemistry. The topics covered include basic organic and biological chemistry concepts essential in understanding the biochemistry of basic cellular building blocks (carbohydrates, lipids, amino acids, etc.) and metabolic processes related to these compounds. |
| **Cell Physiology Primer** | Provides the opportunity to learn or review material related to cellular structure and function. The topics will cover membrane structure and function including lipids, proteins and transport. In addition, cellular organelle structure and function will be covered. |
| **Pharmacology Primer** | Provides the opportunity to learn or review material related to pharmacological principles. Basic terminology and concepts in pharmacology, including processes of drug absorption, distribution, metabolism, elimination, mechanism of action and rational choice of drugs will be included. |
| **Anatomy Primer** | Provides an overview of regional gross anatomy that parallels first-year anatomy curriculum. Each lecture includes an introduction to the anatomy of a given region, a component of the challenging autonomic nervous system and examples of radiology. |

**WHERE:** Online via Canvas  
**WHEN:** June 10 – July 21, 2019  
**WHO:** Incoming students  
**COST:** $50 per academic primer  
Financial assistance available based on need.  
**DEVELOPERS:** Medical school faculty who are experts in each discipline’s subject matter.  
**FACILITATORS:** Current medical school students who have been carefully selected for their competence and expertise in the discipline’s subject matter, supported by the faculty member who developed the primer.
The Diversity and Inclusion primer is designed to promote an inclusive academic health care community and foster relationships between the entering class, deans, faculty, staff and current medical students. It also provides resources and tools to train participants as diversity educators knowledgeable in topics that encourage and embrace diversity and inclusion. The four-week online component is a weekly self-paced course that promotes engagement, learning and discussion, leading to the one-day interactive session with students, deans, faculty and staff. The enrichment primer is no cost to the student and is open to the entire entering class.

Registration required for all primers.

For more information visit medicine.missouri.edu/education/medprep3.

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