

UCLA Minor in Biomedical Research

GENERAL OVERVIEW PRESENTATION

Contact Info:
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What is “The Minor in Biomedical Research”?

It is an interdepartmental minor intended to engage students early in

- laboratory experience
- (science) literature analysis
- presenting biomedical research

.....and train students in....

- the process of scientific research AND
- social issues facing science today

Why consider applying to the Minor?

- Intensive research training
- Potential to be published in academic journals
- Relevant experience for post-graduate study
- Competitiveness for research awards and fellowships for advanced study
- Increased opportunities after graduation at academic or medical research institutes

Who are our department partners?

<u>College of Letters & Sciences</u>	<u>School of Medicine</u>	<u>UCLA Health / Medical Department</u>
<i>Division of Life Sciences</i>	Biological Chemistry	Anesthesiology
Ecology and Evolutionary Biology (EEB)	Cardiology	Hematology and Oncology
Integrative Biology and Physiology (IBP)	Human Genetics	Neurology
Molecular Cell and Developmental Biology (MCDB)	Medicine	Neurosurgery
Microbiology, Immunology, and Molecular Genetics (MIMG)	Molecular and Medical Pharmacology	Obstetrics and Gynecology
Department of Psychology	Neurobiology	Ophthalmology
<i>Division of Physical Sciences</i>	Pathology	Psychiatry and Biobehavioral Science
Chemistry & Biochemistry	Pediatrics	
Physics & Astronomy		<u>School of Dentistry</u>
	<u>School of Engineering & Applied Sciences</u>	Oral Biology
	Bioengineering	Oral Surgery
	Chemical and Biomolecular Engineering	Orthopaedic Surgery

Faculty help guide lab choice to match student interests and strengths.

Requirements for Completing the Minor

- BR **5HB Biomedical Research**: Essential Skills and Concepts (4 units)
- Minimum of 4 quarters of letter-graded **research 198 or 199** (16 units)
 - MCDB/MIMG 196 track – approved for research requirement
- BR 193H **Journal Club** Seminar (2 units)
- BR 194H Research Group **Seminar** (2 Units)
- MCDB 60 **Biomedical Ethics** (5 units)
- Upper Division **History or Philosophy of Science** elective (4 or 5 units)
- Present your research at a **Poster Session or Conference**
- Submit a **Senior Research Thesis** at the end of the program
- Maintain a 3.0 GPA during the program

Getting Started:

Take (1) Introductory Course to the Minor

- **BR 5HA Biomedical Research Concepts and Strategies**
 - “research deconstruction course”
 - Dr. Ira Clark, Dr. Rafael Romero, Dr. Cory Evans
- **LS 10H Research Training in Genes, Genetics and Genomics**
 - “hands-on” research course in fundamental concepts in genetics and developmental biology
 - Dr. John Olson
- **HNRS 70A Genetic Engineering in Medicine, Agriculture and Law**
 - Designed primarily for non-science students to get an overview of the science of genetics and the sometimes-controversial legal and ethical issues raised by the use of genetic engineering.
 - Dr. Robert Goldberg

Getting Started:

Apply by Week 7 of the Quarter

- Online application accessible at:
<https://www.biomedresearchminor.ucla.edu>
- The **earliest** you can apply to the Minor is during the Quarter that you're taking an Introductory Course.
- The **last chance to apply** for the Minor is the Fall Quarter of your 3rd year as an undergraduate.
- **Transfer students** should plan to take an Intro course and apply to the Minor during the first quarter at UCLA.
- Applications are due online by Friday of **Week 7**.

Contact Info

- The administrative office is in 220 Hershey Hall, and is part of the Division of Life Sciences.
- Dr. Utpal Banerjee – Director – Teraski Bldg
- Dr. Ira Clark – Academic Administrator – 220 A
- Dr. Rafael Romero – 5HA Instructor – 220 C
- Dr. Cory Evans – 5HB Instructor - 220 C
- Dr. John Olson – LS 10H Instructor – Life Sciences Bldg

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