

THE CELLULAR BIOLOGY GRADUATE PROGRAM

BACKGROUND & INTEREST FORM

You can fill this form electronically, save the document as a .pdf file (use your last name as part of the filename, e.g. Smith_background.pdf), and e-mail as attachment to **Olena Halak** (cbgrad@uga.edu). Please also e-mail a statement of purpose (no longer than 2 pages) and a CV as part of your application. Alternatively to e-mail, you can mail hardcopies to our office at:

Olena Halak

Graduate Admissions Counselor
136 Cedar Street Building C, Room 420
University of Georgia
Athens, GA 30602-2607
USA

(Please note that in addition to this application directly to the department you will have to **apply to the UGA graduate school in parallel** by following this link:
<https://grad.uga.edu/admissions/apply-now/>

Your Contact Details:

(Family name, First name, Middle initial)

(e-mail address)

(Mailing address)

(Preferred telephone number)

Your Previous Education:

(Undergraduate institution)	(Degree/Expected Degree)	(grade point average)
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(Graduate institution)	(Degree/Expected Degree)	(grade point average)
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(GRE date)	(Verbal GRE)	(Quantitative GRE)	(Writing GRE)	(TOEFL if applicable)
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Your Future Education & Research Interests:

I am applying with the goal of obtaining a **PhD** ☐ a **MS** ☐ in Cellular Biology.

Please indicate your major research-training interest with a number indicating the rank of the chosen field or specialty (1 = highest, 5 = lowest)

Cell Biology 5(lowest)
Developmental Biology 5(lowest)
Neurobiology 5(lowest)

Molecular Parasitology 5(lowest)
Immunology 5(lowest)

Please indicate Cellular Biology faculty members you might be particularly interested to work for your thesis research (you can find detailed descriptions of programs at <https://cellbio.uga.edu/directory>)

- ☐ **Haini Cai** - Epigenetics of cell and developmental biology; chromatin and nuclear organization in gene regulation.
- ☐ **Roberto Docampo** - Metabolic pathways of trypanosomatids and malaria parasites.
- ☐ **Scott Dougan** - Developmental biology; molecular control of cell fate specification and morphogenesis in the zebrafish.
- ☐ **Drew Etheridge** - Toxoplasma's strategies to manipulate host immunity.
- ☐ **Jacek Gaertig** - Molecular cell biology of the cytoskeleton; molecular genetics of ciliates.
- ☐ **Daichi Kamiyama** - Morphogenesis in the Drosophila central nervous system; single-neuron genetics; super-resolution microscopy techniques.
- ☐ **Edward Kipreos** - Cellular biology; molecular genetics; regulation of cell division in the model nematode *C. elegans*.
- ☐ **Kim Klonowski** - Respiratory immunity; immunity across the lifespan.
- ☐ **Samarchith Kurup** - Mechanism of natural and acquired immunity to liver-stage malaria.
- ☐ **Dennis Kyle** - Drug discovery for malaria and brain-eating amoebae; antimalarial resistance mechanisms.
- ☐ **James Lauderdale** - Developmental neurobiology; molecular genetic mechanisms of vertebrate eye and forebrain development.
- ☐ **Molly Bolger** - Understanding and supporting students' development as scientists.
- ☐ **Karl Lehtreck** - Cell biology of cilia; cilia-related diseases; intracellular transport.
- ☐ **Silvia Moreno** - Biochemical studies of *Toxoplasma gondii*; identification of differences in signaling & metabolism between host and parasite.
- ☐ **Vasant Muralidharan** - Molecular and cellular biology of human malaria parasite *Plasmodium falciparum*; protein transport and export pathways, metabolism, drug development.
- ☐ **Shannon Quinn** - Biomedical imaging and large graph mining in public health applications.
- ☐ **Rachel Roberts-Galbraith** - Molecular and cellular basis of neural regeneration in planarians.
- ☐ **Cordula Schulz** - Tissue replenishment from stem cells; Epidermal Growth Factor Receptor; germ cell tumor, stem cell self-renewal, *Drosophila*.
- ☐ **Julie Stanton** - Use of metacognition to enhance student learning in biology.
- ☐ **Rick Tarleton** - Immunoparasitology; immunity to *Trypanosoma cruzi* and Chagas disease; vaccine development.
- ☐ **Nadja Zeltner** - Modeling disease of peripheral nervous system using human pluripotent stem cells.
- ☐ **Oshri Avraham** - Decipherment the mechanisms dictating the diversity of peripheral glial cells to achieve a better understanding of their role in the context of disease and injury.
- ☐ **Tatiane Russo-Tait** - Studying issues of equity and justice in college science, technology, engineering, and math (STEM) learning environments.

How did you learn about our program?

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| <input type="checkbox"/> Cellular Biology website | <input type="checkbox"/> Contact with current or former graduate students |
| <input type="checkbox"/> UGA Graduate school website | <input type="checkbox"/> Online search for faculty in my area of interest |
| <input type="checkbox"/> Faculty advisor at your university | <input type="checkbox"/> Printed materials |

If you have further questions about our program:

How do I apply, what are the formal requirements, is my application complete, etc.?

E-mail **Olena Halak, Graduate Admissions Counselor** at cbgrad@uga.edu.

What is the structure of the program? Is this program the right program for me and my research interests? What are the potential fellowships and awards associated with admission, etc.?

E-mail **Dr. Silvia Moreno, Director of Graduate Studies** at cbgraddir@uga.edu.

For specific questions about research, recent work, potential future opportunities as part of a research team, etc.

E-mail **research faculty** directly at:

Haini Cai (hcai@uga.edu)

Roberto Docampo (rdocampo@uga.edu)

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Nadja Zeltner

(nadja.zeltner@uga.edu)