

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 **Carrie Harden** (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:

Carrie Harden

Graduate Admissions Counselor
724 Biological Sciences Building
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://www.applyweb.com/apply/ugagrad/.](https://www.applyweb.com/apply/ugagrad/))

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)

(graduate institution)

(Degree/Expected Degree)

(grade point average)

(GRE date)

(Verbal GRE)

(Quantitative GRE)

(Writing GRE)

(TOEFL if applicable)

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

Molecular Parasitology

Developmental Biology

Immunology

Neurobiology

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

Mark Farmer. protistan evolution; cellular evolution; endosymbiosis

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*

Kimberley Klonowski. immunology; lymphocyte migration

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

Karl Lechtreck. cell biology of cilia; cilia-related diseases; intracellular transport

Kojo Mensa-Wilmot. Discovery chemical biology of transferrin endocytosis mechanisms; mitochondrial genome inheritance in trypanosomatids; drug discovery

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*

Ping Shen. neurobiology; molecular genetics; molecular and neural basis for motivation, choice-making, stress and social response in *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. hormonal control of insect metamorphosis; regulation of cuticular protein genes

How did you learn about our program?

- | | |
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| <input type="checkbox"/> Cellular Biology website | <input type="checkbox"/> printed materials |
| <input type="checkbox"/> UGA graduate school website | <input type="checkbox"/> faculty advisor at your university |
| <input type="checkbox"/> contact with current or former graduate students | <input type="checkbox"/> online search for faculty in my area of interest |

If you have further questions about our program:

How do I apply, what are the formal requirements, is my application complete, etc.?
E-mail **Carrie Harden, 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. Scott Dougan, Graduate Coordinator** at dougan@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)
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