

Explorers and Trailblazers of New Medicine

Medicinal Chemistry PhD

What Can a Medicinal Chemistry PhD Do For Me?

At the bench, in boardrooms and classrooms our graduates are making an impact on health outcomes everywhere! A PhD from U-M can open doors to a number of areas, including:



Academia



Patent Law



Pharmaceutical and Biotech Companies



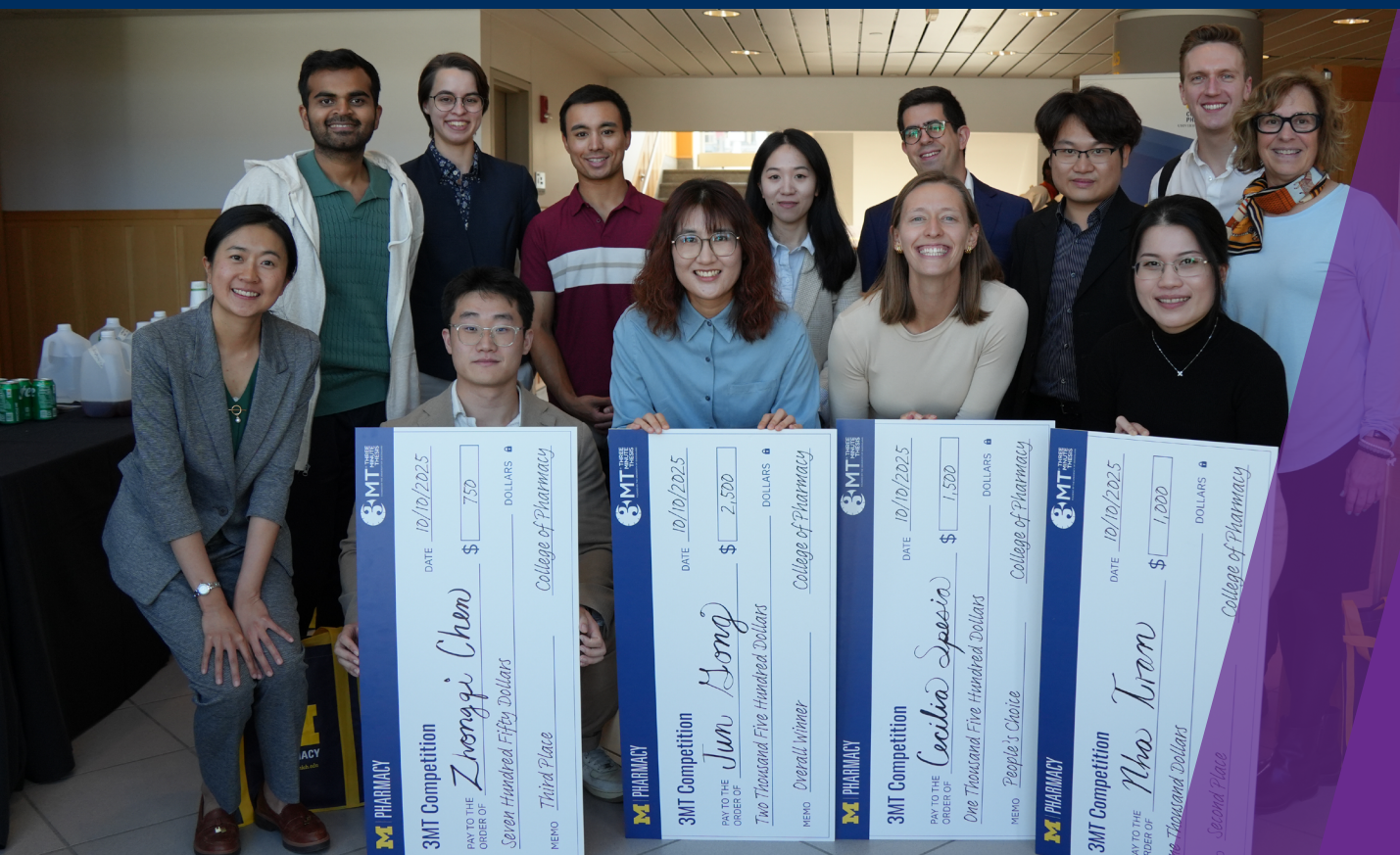
Science Policy

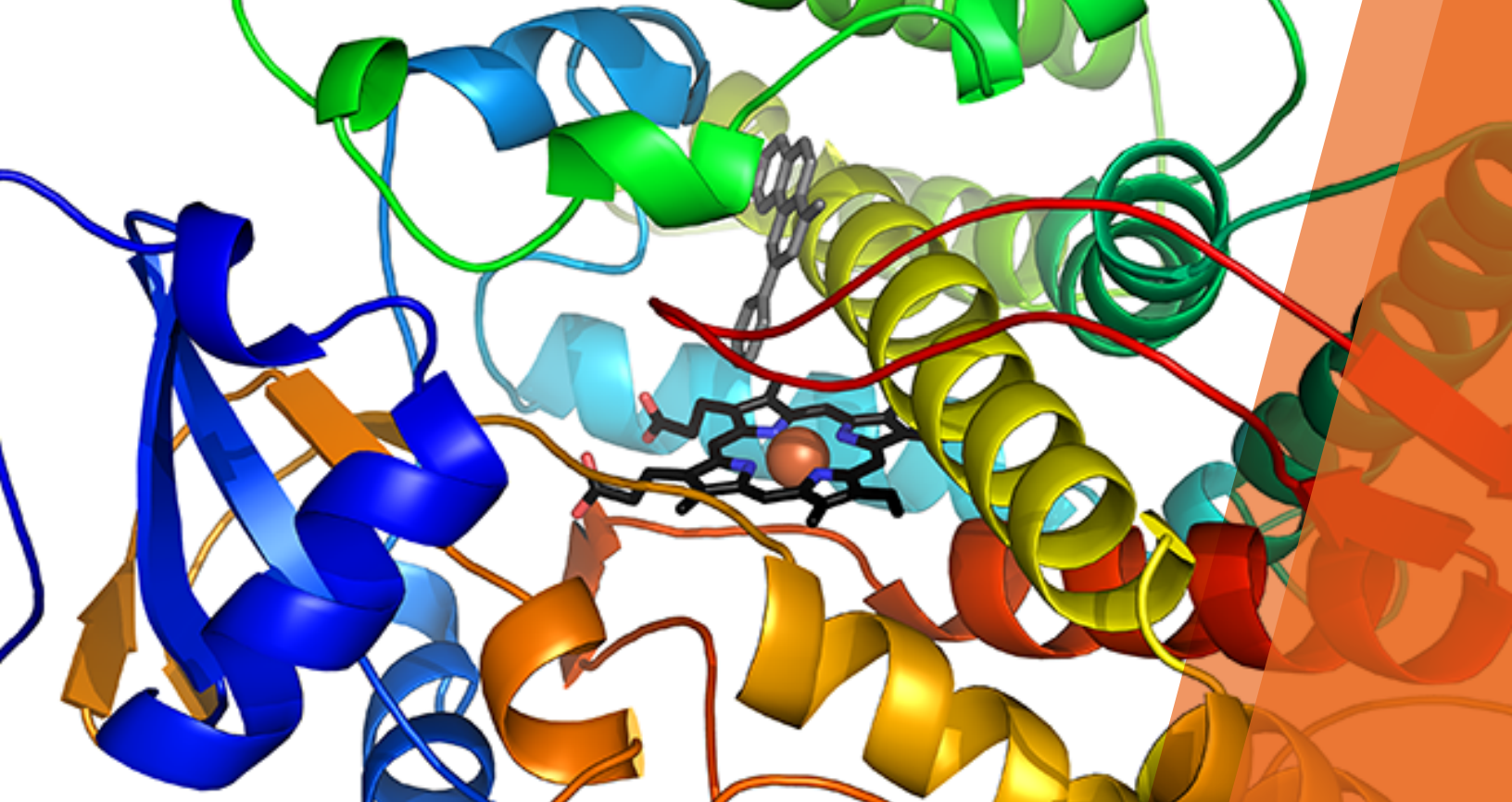


Federal Agencies



Science Writing





We Discover at **Pharmacy's Unknown**

We reveal the blueprints of disease, construct new compounds and uncover how medicines work at the molecular level to advance medicine and health.

“The students at the college have been the best part of my experience here so far. Everyone is so welcoming and the mentoring here is very strong. I chose U-M to pursue my PhD because of this feeling of community amongst the students and the reputation of the Med Chem department.”

Gina Kaup, PhD Candidate



Why #GoBlue?

We're making an impact on human health, and you can too.

#1

in Research Funding
in the BIG 10 Conference

#5

in Research
Funding Nationally

\$39.5M

in Research Funding
in 2025

5.3

Years to Defense

100%

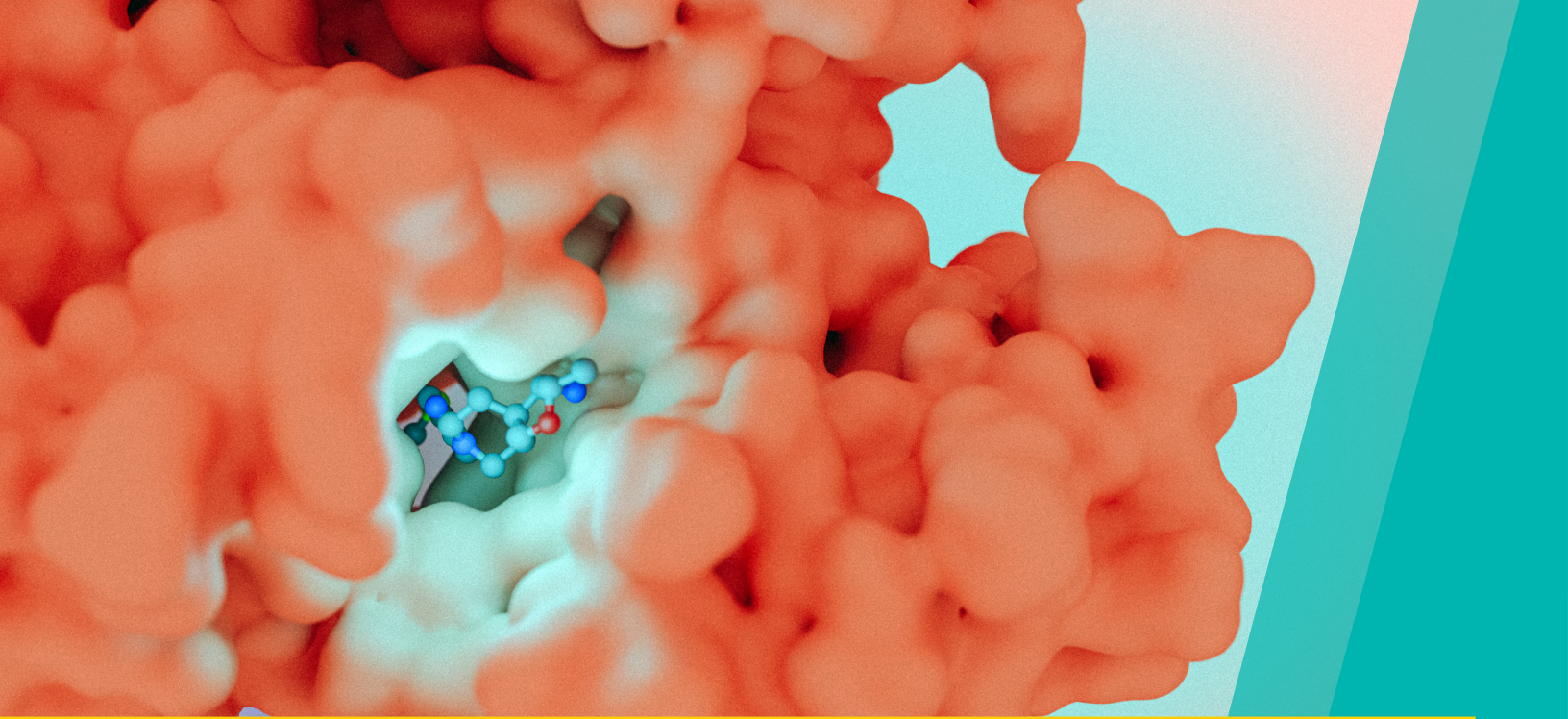
Funded: Tuition,
Benefits and a Stipend

97%

Graduates Had at Least
One Publication

59%

of Our Graduates
Pursued a Postdoc
or Fellowship



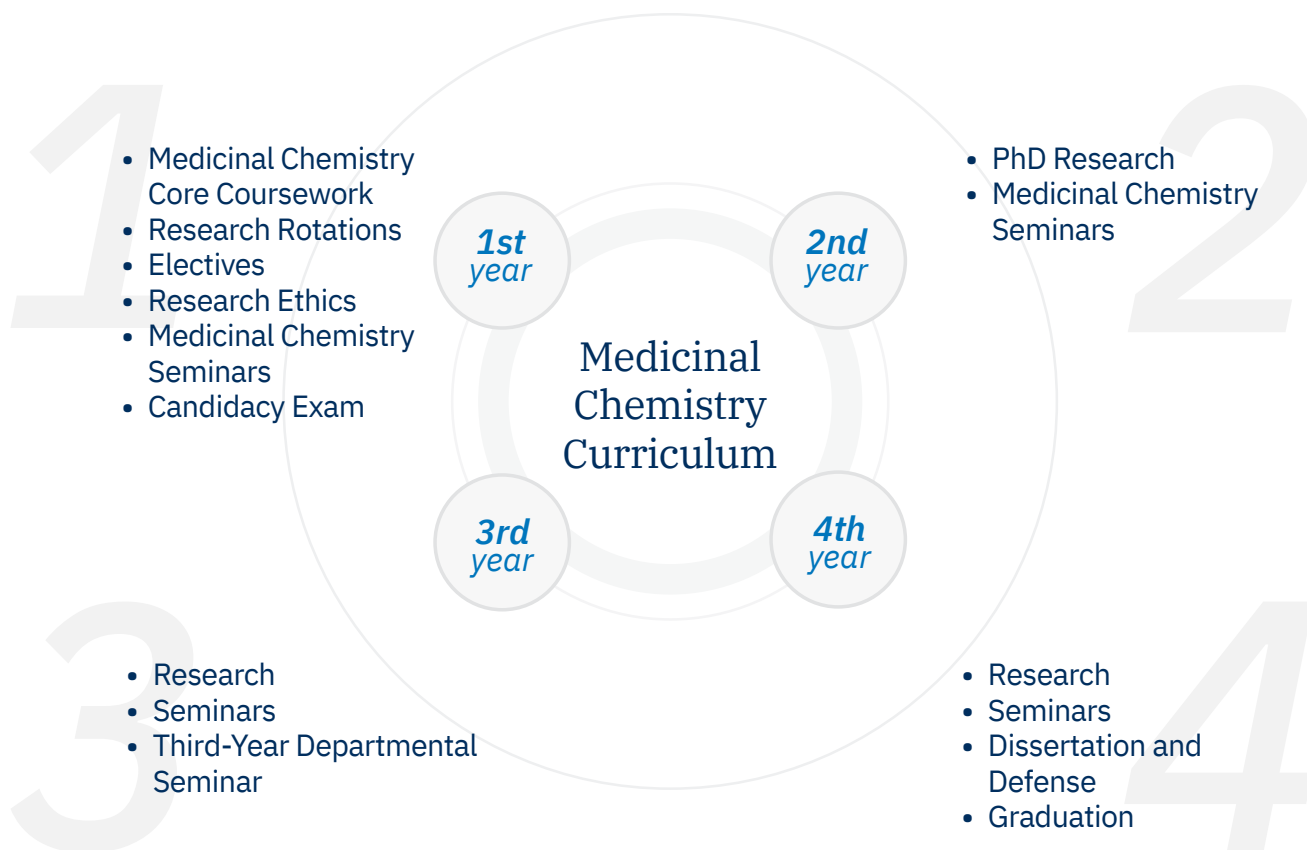
Leaders in the **Discovery of Therapeutic Targets and Drug Molecules**

Drug discovery recruits the imaginative and curious who want to explore the unknown. We are out-of-the-box thinkers whose comfort zone is in pushing the boundaries of discovery for new therapeutic targets and drug molecules to improve human health.

Ours is an interdisciplinary science, with a broad research scope in the fields of:

- Synthetic Chemistry
- Chemical Biology
- Computational Chemistry
- Structural Biology
- Molecular Pharmacology

Curriculum at a Glance



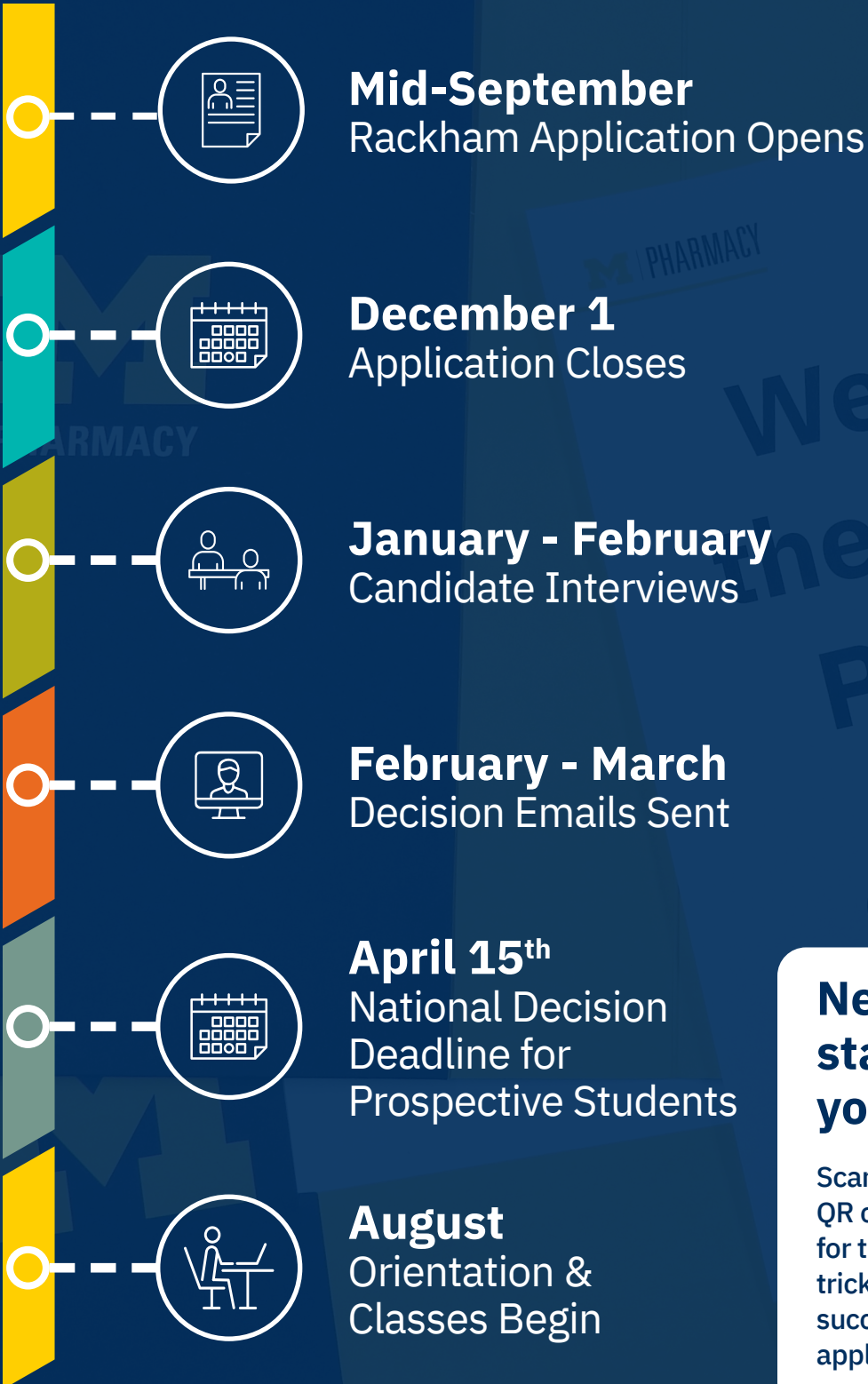
From Student to Scholar: Advance to Candidacy

- Advancing to candidacy is a major milestone in your doctoral journey. It means you have finished your coursework, passed exams and will solely focus on your dissertation research.

Supporting You to a Successful Dissertation Defense.

- You will have a dissertation committee that will support and guide you.
- A defense includes a seminar presentation and is voted for degree conferment.

Admissions Timeline



**Need help
standing out in
your application?**

Scan the
QR code
for tips and
tricks for a
successful
application



Thought Leaders and Authorities in Their Fields of Study

From fungi, bacteria and parasites to RNA exploration, protein interactions and investigating small and large complex molecules, our faculty are trailblazing paths in pharmacy science for cancers, autoimmune, cardiovascular, neurological and infectious diseases.

Scan the QR code to meet our faculty:



Experience Ann Arbor...

...and you'll have incredible stories to tell.



Enjoy a vibrant community offering:

- 400+ Dining Options
- Walkable Downtown & Campus
- 162 Parks & Seven Metro Parks
- 12 Museums, Music & Arts Venues
- Huron River Tubing & Canoeing

...and only 45 minutes from Detroit with even more arts, sports and culture.

Experience the Difference of the Maize and Blue Student Culture

Here are some must-knows for new Wolverines:

- “Go Blue!” is a greeting, farewell and rallying cry!
- The city and campus are intertwined – giving you easy access to an energetic downtown community.
- With one of the largest alumni networks, no matter where you travel, you'll likely run into someone donning the Block M.
- A leading research University and a College of Pharmacy that has an expansive research enterprise.





M | PHARMACY

Get to Know Us Better!

For a closer look at the Medicinal Chemistry PhD program and life as a Wolverine, check out our website and follow us on social media!



/UniversityOfMichigan
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/umichgradschool



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@umichgradschool



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/umichpharmacy
/university-of-michigan---rackham-graduate-school

You will apply for our PhD program through Rackham, who oversees the requirements, procedures, admissions and grants the PhD degree.