MERCK OUTREACH PROGRAMS RUTGERS CAMPUS VISIT



October 8, 2025

Nicole Revaitis, Ph.D., nicole revaitis@merck.com

Joe Rajarao, Ph.D., joe rajarao@merck.com

Roy Helmy, Ph.D. roy_helmy@merck.com



Pharmacokinetics, Dynamics, Metabolism, Bioanalytics (PDMB)

One Purpose.

We use the power of leadingedge science to save and improve lives around the world.





Who are we?

For over 130 years, Merck has been inventing for life, bringing forward medicines and vaccines for many of the world's most challenging diseases in pursuit of our mission to save and improve lives.

Today, we continue to be at the forefront of research to prevent and treat diseases that threaten people and animals.



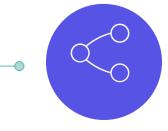
Our Operations:

Headquartered in Rahway, New Jersey, U.S., we operate in more than 140 countries.



Our Global Employees:

68,000



Our Research Focus:

\$12.2B research and development investment



Our Giving:

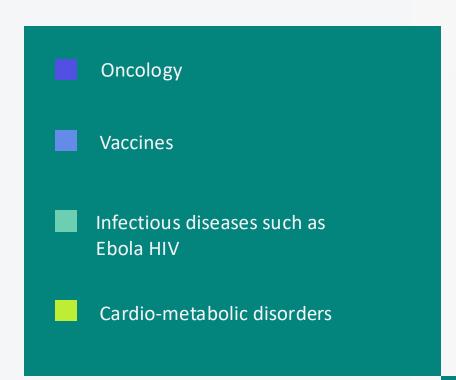
\$3B total philanthropy





Our Areas of Focus

We focus on scientific innovation to deliver medicines and vaccines that may help millions of people around the world.









We need an employee population that reflects the vast diversity of our patients all over the world. True innovation is often the fruit of ideas cultivated by employees across a range of backgrounds, so Merck is committed to building a diverse and inclusive global workforce that is empowered to thrive, professionally and personally.





Where we are today?

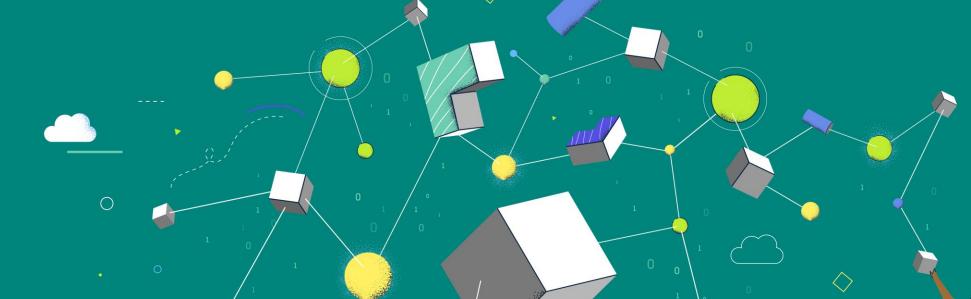
43%

Merck's Board of Directors are women 36%

Of Senior Managers are women 21%

Of Merck's Board are members of under-represented racial and ethnic groups 25%

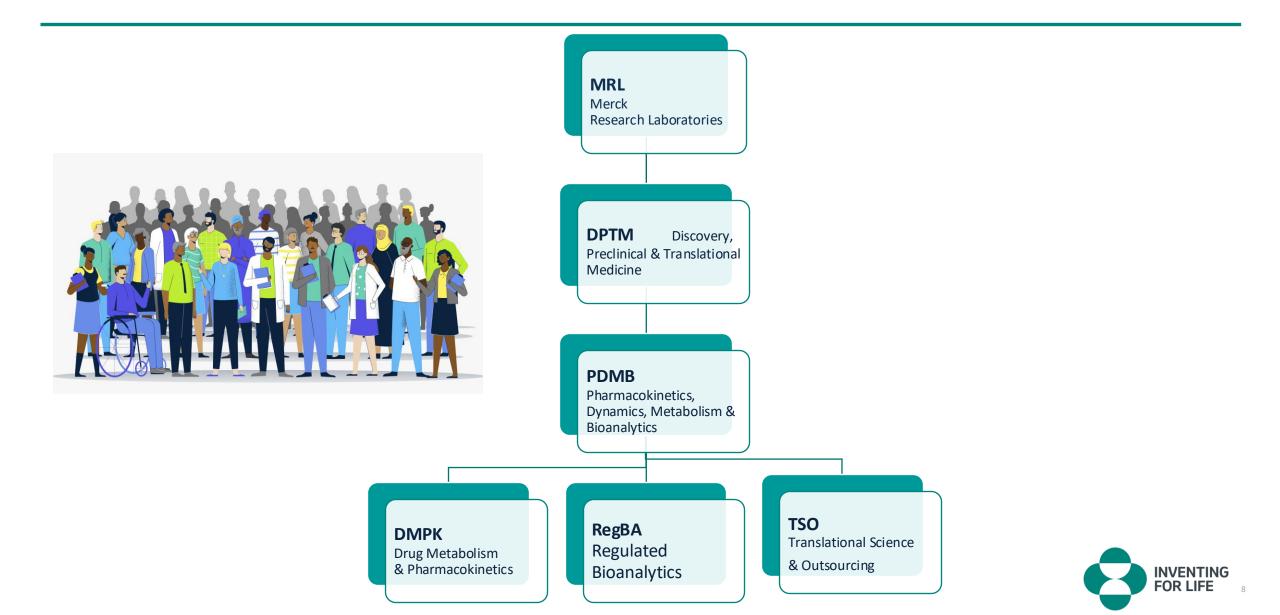
Of Senior Managers are members of under-represented racial and ethnic groups



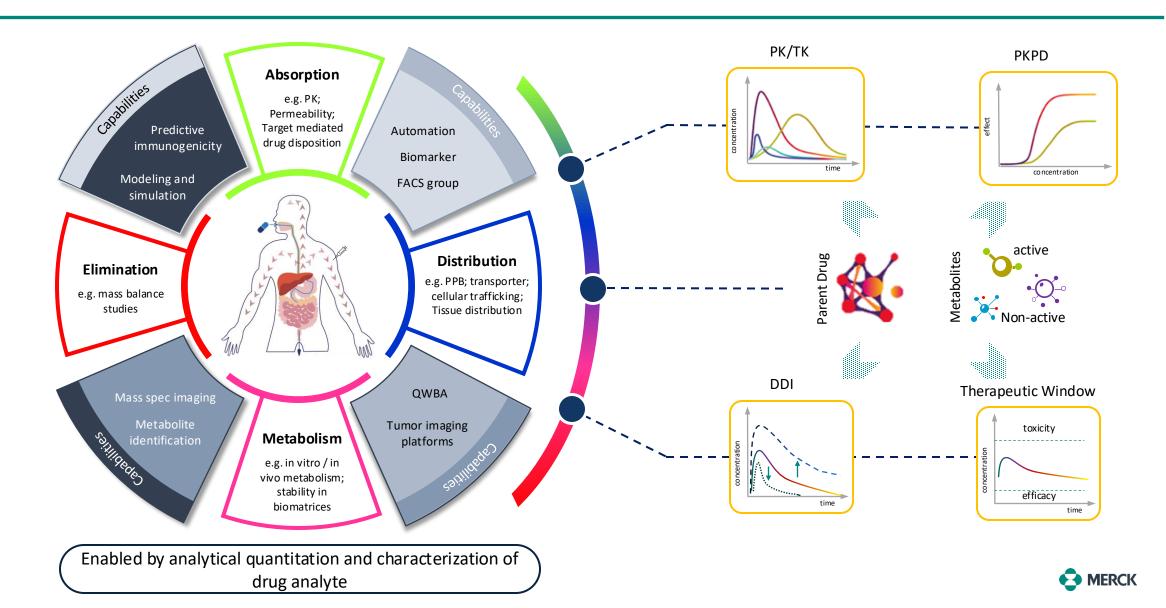




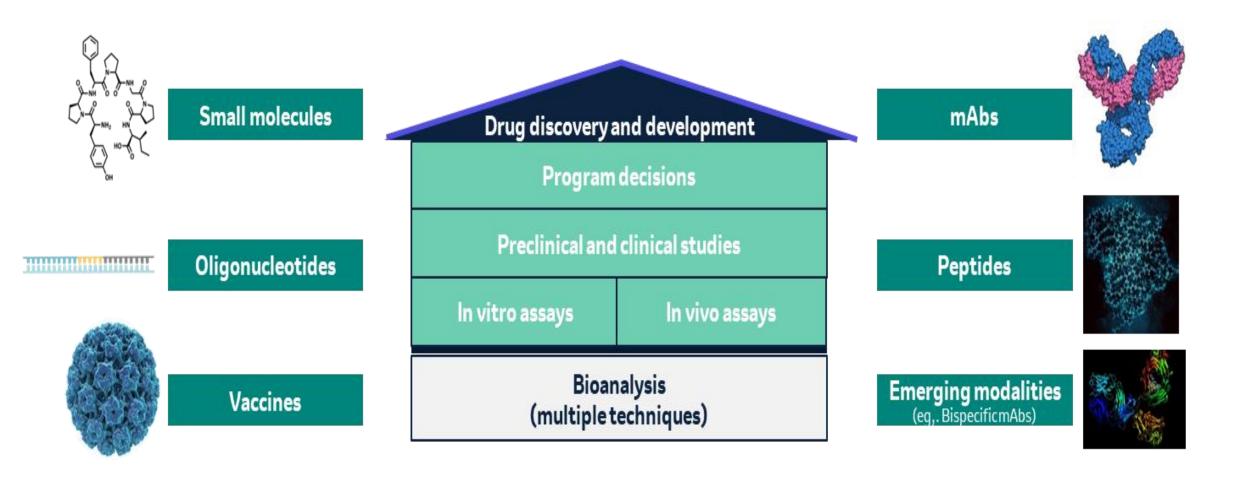
Pharmacokinetics, Dynamics, Metabolism & Bioanalytics PDMB- Who We Are



DMPK Expertise and Capabilities



Regulated Bioanalytics (BA)

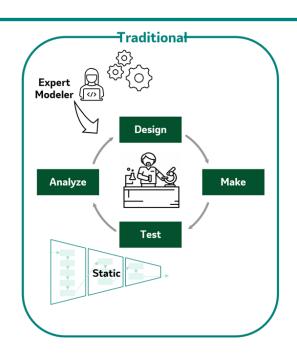


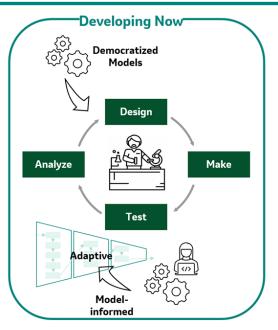
Data Science

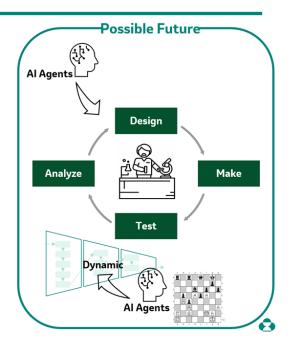
Vision: Artificial
Intelligence (AI)Augmented Therapeutic
Research and
Development

Strategy:

Generic, adaptive predictivity -> augment decision efficiency and accuracy -> accelerate Design, Make, Test, Analyze cycle













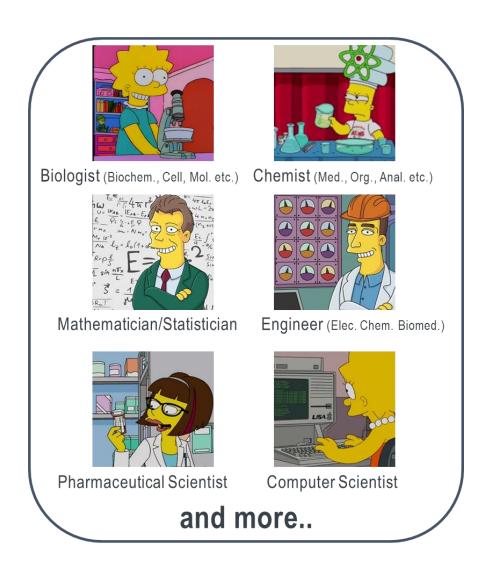


WHERE DO YOU FIT?

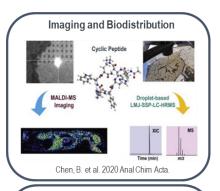
HOW TO GET THERE?

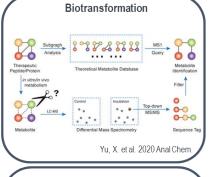


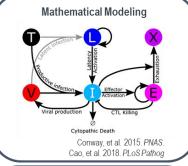
We are looking for

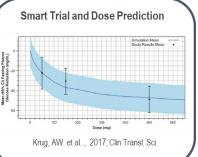




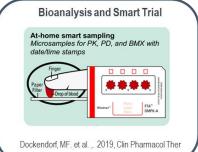








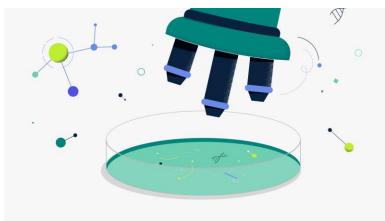






Merck welcomes interns, co-ops, and postdoctoral fellows each year





Internships and Co-ops

- Students (undergrad and grad) can apply for 3-month internships or co-ops of ~6 months.
- Interns and co-ops work with Merck
 mentors to gain skills and contribute to
 scientific questions with direct impact
 on our pipeline.
- 2025: opportunities to be posted
 September 16, will close in November

Postdoctoral Fellows Program

- The Postdoc Program welcomes 30-40
 new postdocs across Merck each year
 for appointments of up to three years.
 The program provides an academic
 focus in an industry setting.
- Postdocs engage in original nonproprietary research projects in Merck
 Labs, with a primary goal of high-profile publications and presentations.



Careers at Merck

Scientific Ladder	Managerial Ladder
Associate Scientist BS with 0-3 years industry experience	
Scientist MS entry level BS with >3 years industry experience	
Senior Scientist PhD entry level MS with >3 years industry experience BS with >6 years industry experience	
Associate Principal Scientist PhD with >4 years experience MS with >8 years industry experience; BS with >12 years industry experience	Associate Director
Principal Scientist PhD with >8 years experience MS with >10 years industry experience; BS with >12 years industry experience	Director
Senior Principal Scientist PhD with >8 years experience MS with >10 years industry experience; BS with >12 years industry experience	Senior Director
Distinguished Scientist	Executive Director

My personal advice

A job worth doing is a job worth doing well

Invest time in your development:

- volunteer in the lab
- volunteer to run data analysis for people in the lab
- ➤ Volunteer to write a chapter in an article (Introduction, Discussion)
- LinkedIn/Coursera
- DO THE WORK so you can defend your resume during an interview

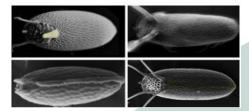
Career Spotlight- Nicole

Pharmaceutical Industry

2021-present



2011-2019



PhD in Computational and Integrative Biology (CCIB)

2019-2021

First Full-time position!

WuXi Advanced Therapies

(Minaris Advanced Therapies)

Found love for regulated work

Hired by Merck PDMB Broaden expertise in:

- Drug Development Lifecycle
- Applying regulated studies to modernized platforms
- Data-driven decision making
- Team Leadership

2006-2008



Strong background in science:
Biology/Chemistry/Math
Discovered passion for
learning

Masters

Yakoby Fly Lab

- Scientific Rigor
- Presenting Science
- **Quantitative Molecular Approaches**
- Teaching/Mentoring

Q&A

