



# Novartis Quantitative Sciences Academia-to-Industry Hackathon

August 12 – 23, 2019

**Have you always wanted to work on a real-world problem in pharmaceutical R&D? Join us!!**

The Novartis Quantitative Science Academia-to-Industry Hackathon is an intense two- week program designed to provide graduate students and postdocs with training and hands-on experience working on real-world problems in pharmaceutical R&D. The program is targeted at graduate students and postdocs in the quantitative sciences (e.g. Bioinformatics, Engineering, Mathematics, Pharmacometrics, Physics, Statistics, Systems Pharmacology). The Hackathon consists of a three-day tutorial on fundamental training in Translational Quantitative Sciences including basic pharmacokinetics and pharmacodynamics (PKPD) and population PKPD using the open-source R-based nonlinear mixed effect modeling software [nlmixr](#).

Following the tutorial, students will work in project teams on real-world, open-ended problems in collaboration with Novartis scientists working across the R&D spectrum.

The researchers will present their final results at the “Quantitative Sciences in Drug Development Conference” sponsored by Novartis, which will be held on the last day of the Hackathon, Friday, August 23<sup>rd</sup> 2019.

**Event Dates:** August, 12<sup>th</sup> – 23<sup>rd</sup> 2019

**Time:** 9am – 5pm EST

**Eligibility:** Applicants must be current master students, graduate students or postdocs

**Logistics:** The program will take place at the Novartis Campus, in Cambridge, MA. Novartis will not provide any travel or accommodation reimbursement for this event. We will provide breakfast and lunches during the duration of the engagement.

## Applications

The following materials will be accepted at [hack.innovation@novartis.com](mailto:hack.innovation@novartis.com) until Friday, June 14<sup>th</sup> 2019.

- One page statement of reason for participation, career goals, and relevant experience
- Resume or CV

## Optional:

- Letter of support from advisor, director of graduate studies, or department chair

Participants are encouraged to apply early as numbers are limited. Confirmation of participation will be sent by Friday, June 28<sup>th</sup> 2019.

Thank you for taking interest in this Novartis event. We look forward to seeing you there!

