

Welcome to Translational Medicine Academy in Data Science



Begin a career journey like no other.

Novartis is a place where bright, curious minds combine to solve the world's toughest healthcare challenges and reimagine medicine together.

It's an inspiring environment for aspiring talent. For those embarking on a career in innovative medicines or moving into the industry it's an opportunity to gain early exposure, experience and insights that are hard to find anywhere else.

 **NOVARTIS** | Reimagining Medicine



Novartis Translational Medicine

We are the crucial **bridge between drug discovery and clinical application** at Novartis. Through our work, we increase the speed, quality and productivity of drug discovery.



- Translates novel research findings into clinical hypotheses to ensure that pre-clinical scientific efforts advance the most promising drug candidates and increasing the chance of success by stopping ineffective drugs early.
- Involves studies conducted by clinicians working closely with basic researchers and medical experts worldwide.
- Over **90 %** of drugs entering human studies fail due to lack of safety or efficacy, but negative studies are not failures as they help allocate resources to more promising treatments.
- The cost per successful drug prior to health authority approval ranges from **1.5 to 2 billion USD**, and it can take **10 – 15 years** from discovery to marketing authorization.

TM Academy

Your first step in reimagining medicine

Join the TM Academy

TM Academy is a **cross-functional program within Translational Medicine** designed for **career starters, career changers, or career relaunchers**—who are passionate about advancing innovative medicines for patients.

Over two transformative years, TM Academy fellows **gain hands-on experience in early drug development** and clinical trials, contributing to innovative programs and projects that **help bring breakthrough treatments closer to patients worldwide**.

This program is based either **in Basel, Switzerland** or **in Cambridge, United States**, with opportunities to connect globally with colleagues and teams.

Career starter

recent University degree graduate within the past 2 years.

Career changer

professionals with experience who want to pivot their career.

Career relauncher

professionals wanting to return to work after a career break.

TM Academy

In this program, you'll:

- Build a strong foundation in translational medicine with support from industry experts.
- Gain hands-on experience by contributing to and supporting a range of translational medicine activities.
- Work on meaningful projects that shape the future of medicine.

Your journey begins with a basecamp: 4-week immersive blended experience designed to introduce you to our organization, the drug development process, the various departments in Translational Medicine, the clinical trial process and the tools and technical platforms needed for your work.

Throughout the program, fellows reunite for continuous learning focused on soft skills, cross-functional exposure, and thematic introduction series—broadening your perspective beyond your immediate team and function.

Your program journey will take you from foundational learning to advanced specialization

**Use your knowledge
and contribute to the
organization**

Experience

Independent assignment in
fellow's line function

**Develop and apply
specific skills**

Departmental Onboarding

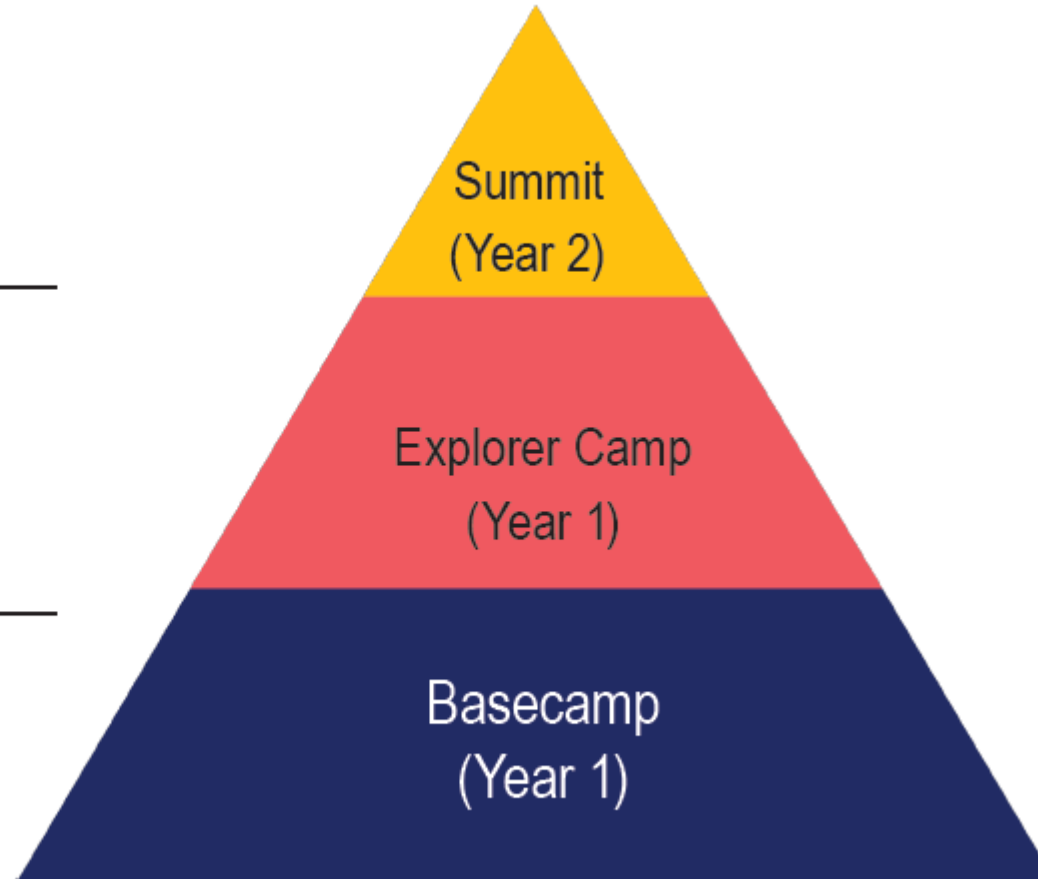
Theory and Experience

Hands-on practical work in
fellow's line function

**Get ready
with the basics**

Concept and Theory

Complete basecamp training
(week 1-4)



Your journey

Where your career growth takes shape

TM Academy in Data Science

Apply your expertise to help advance the development of innovative medicines.

You can look forward to:

- **Collaborative Environment:** Join Novartis' Translational Medicine Unit and work alongside dedicated physicians and scientists.
- **Key Role:** Enhance drug discovery and development through data science by providing analytical insights and creative solutions.
- **Global Experience:** Train within an international, multi-cultural Biomedical Research environment.
- **Team Contributions:** Support Preclinical Safety, Pharmacokinetic Sciences, and Biomarker Development groups within Translational Medicine.
- **Diverse Projects:** Contribute to various disease areas throughout the R&D lifecycle.
- **Academy Learning:** Gain valuable training and experience through the TM Academy. As a TM Academy fellow in Translational Data Sciences, you will help us unleash the power of data science to enhance drug discovery and development. Your contributions will support project teams throughout the Research & Development lifecycle, spanning a diverse range of disease areas and therapeutic modalities.

Learning opportunities and development

Where we
support you to
**achieve your
aspirations**

In this program, you'll benefit from:

- Immersive training and mentorship tailored to your development goals.
- Hands-on experience in clinical trials across therapeutic areas.
- Opportunities to shadow industry leaders and learn from their expertise.
- Building a network of supportive peers and mentors who'll guide you at every step.
- Be part of a global network of passionate individuals collaborating to solve real-world healthcare challenges.

By the end of the program, you'll have gained:

- Advanced expertise in clinical trial operations.
- Hands-on experience with global projects.
- A professional network that will support your growth.

Qualifications required

Where you can unlock your potential

This program is for you if:

- You're passionate about innovation and improving healthcare.
- You're a team player who thrives in a collaborative environment.
- You are an agile learner, ready to shape your journey.
- You are eager to discover and learn about Translational Medicine functions.

Essential qualifications

- Degree (BA, BSc, MSc, MD, PharmD, or PhD), or equivalent experience.

Desired skills

- Fluency in English (written and spoken).
- Good organizational, interpersonal collaboration and communication skills.
- Good Office IT skills.

Compensation and benefits

Where everyone has the chance to thrive

Working at Novartis means feeling valued:
for who you are, for what you can contribute right now, and
for everything you could be in the future.

That's why we offer:

- Opportunities for growth through our learning and development resources.
- Flexible working arrangements.
- Wellbeing support.

Application process

Where an
**exciting
future could
start today**

Applying is simple:

- Submit your CV and cover letter online as instructed on Job advert.
- Fill out the questionnaire we will send you.
- Join us for two interview rounds where you'll meet the team and showcase your potential.
- Accept your offer and get ready to begin your journey!

Top tip: Be yourself. We're looking for people who are curious, passionate, and ready to make a difference.

Other TM functions where you can start your journey:

- **Biomarker Development** enables testing of biological and therapeutic hypotheses in clinical trials by developing and analyzing innovative biomarkers.
- **Clinical Science & Innovation** plans and manages the TM clinical portfolio worldwide to support a smooth transition from discovery research to clinical practice.
- **Pharmacokinetic Sciences** integrates all non-clinical and clinical disciplines that characterize the in vitro and in vivo disposition of investigational therapies.
- **Preclinical Safety** provides world class preclinical safety profiling and assessment for optimal drug discovery, development, and commercialization.
- **TM Discovery & Profiling** drives innovative science from discovery to the patient through the selection, profiling and effective development of medicines.

Learn more on www.novartis.com/careers/early-careers

Join us in reimagining medicine.

For more information about
early careers at Novartis, visit:
www.novartis.com/careers/early-careers