TRANSLATIONAL SCIENCE CERTIFICATE

Gain real-life, integrative, and comprehensive understanding of translational science applied to the discovery/design and development of biomedical products, from drugs and cell & gene therapy to medical technology, including devices, wearables, diagnostics, and digital health.

AIMED AT

- Biomedical and healthcare professionals
- Postdoctoral scholars in a scientific, engineering, or business field

with the motivation and potential to become leaders, innovators, or entrepreneurs.

WHEN

- Weekday evenings from 6 - 8 pm
- Once a week, one course per quarter
- Each course offered twice a year
- You can complete the certificate in as fast as 1 year or take up to 5 years

TOPICS COVERED

- Biomarkers
- Omics
- Precision Medicine
- Translational Imaging
- Diagnostics
- Biotechnology
- Drugs
- Cell & Gene Therapy
- Medical Devices
- Digital Health

WHAT IS TRANSLATIONAL SCIENCE?

“The (discipline) turning observations in the laboratory, clinic and community into interventions that improve the health of individuals and the public — from diagnostics and therapeutics to medical procedures and behavioral changes.”

- National Center for Advancing Translational Sciences, NIH
**Course flow**

- **Required Courses**
  - Translational Research Fundamentals
  - Applied Translational Research
- **Electives**
  - Translational Regenerative Medicine
  - Applied Translational Research II
- **Capstone Project**

**Faculty of Biomedical Industry Leaders**

- **Claudio D. Schteingart, PhD**
  Consultant, Previously Vice President, Science & Technology – Research, Ferring Pharmaceuticals

- **Wolfgang Glaesner, PhD**
  Chief Scientific Officer, Biotechnology Research & Development, Lilly Biotechnology Center, Eli Lilly & Co

- **Robert V. Alexander, PharmD, PhD**
  Senior Director, Clinical Research & Medical Affairs, Exagen Diagnostics

- **Steven L. Bender, PhD**
  President, NexTx Insights LLC, Previously Executive Director, Cancer Therapeutics, Genomics Institute of the Novartis Research Foundation

- **David G. Parkes, PhD**
  Chief Scientific Officer, Abvance Therapeutics

- **Mark Finezan, MAS, MS, PhD**
  Senior Vice-President, Clinical Affairs, Biosplice Therapeutic

- **Pierre Riviere, PhD**
  Founder & Chief Executive Officer, Peptide Logic

- **Thomas Bicsack, PhD**
  Senior Vice-President, Clinical Affairs, Biosplice Therapeutic

- **Timothy R. Geiger, PhD**
  Field Applications Manager, North America West, ProteinSimple/bio-techne

- **Amit Kumar, PhD**
  Chief Executive Officer, Anixa Biosciences

- **Kanthi A. Kollengode, MD, MAS**
  Senior Clinical Trial Physician, Clinical Research & Development; Lead Physician, Pediatric Inflammatory Bowel Disease Program Bristol-Myers Squibb

- **Regent Laporte, DVM, MSc, PhD**
  Senior Director, Translational Pharmacology, Peptide Logic

- **Claudio D. Schteingart, PhD**
  Consultant, Previously Vice President, Science & Technology – Research, Ferring Pharmaceuticals

- **Wolfgang Glaesner, PhD**
  Chief Scientific Officer, Biotechnology Research & Development, Lilly Biotechnology Center, Eli Lilly & Co

- **Robert V. Alexander, PharmD, PhD**
  Senior Director, Clinical Research & Medical Affairs, Exagen Diagnostics

- **Steven L. Bender, PhD**
  President, NexTx Insights LLC, Previously Executive Director, Cancer Therapeutics, Genomics Institute of the Novartis Research Foundation

- **David G. Parkes, PhD**
  Chief Scientific Officer, Abvance Therapeutics

- **Mark Finezan, MAS, MS, PhD**
  Senior Vice-President, Clinical Affairs, Biosplice Therapeutic

- **Pierre Riviere, PhD**
  Founder & Chief Executive Officer, Peptide Logic

- **Thomas Bicsack, PhD**
  Senior Vice-President, Clinical Affairs, Biosplice Therapeutic

- **Timothy R. Geiger, PhD**
  Field Applications Manager, North America West, ProteinSimple/bio-techne

- **Amit Kumar, PhD**
  Chief Executive Officer, Anixa Biosciences

- **Kanthi A. Kollengode, MD, MAS**
  Senior Clinical Trial Physician, Clinical Research & Development; Lead Physician, Pediatric Inflammatory Bowel Disease Program Bristol-Myers Squibb

- **Regent Laporte, DVM, MSc, PhD**
  Senior Director, Translational Pharmacology, Peptide Logic

**Scholarship Opportunity**

Aimed at passionate individuals:
- Biomedical industry professionals from companies not offering educational programs
- Postdoctoral scholars without a fellowship to support the certificate course fees

**Enroll Today**

Contact us for more information
Dr. M. Paz Rodriguez, Communication Director
mpr002@health.ucsd.edu

**UC San Diego**
Altman Clinical and Translational Research Institute

**UC San Diego**
School of Medicine