

Bespoke Professional Development Programs in the Life Sciences



San Diego is home to one of the leading life sciences clusters in the world. UC San Diego, the Salk Institute, The Scripps Research Institute, the Sanford-Burnham Medical Research Institute, and others form the core, receiving nearly \$2 billion a year in federal research funding.

Beyond the research, the region has over 650 life science companies such as Illumina, Life Technologies, and Gen-Probe that employ nearly 31,000 people. As the local industry has grown, large global firms like Pfizer, Novartis, Johnson & Johnson, and Genentech has established operations in San Diego to be closer to the source of new, innovative technologies being created. Combined with major health care providers, San Diego is unique in that it has a highly interconnected and geographically dense ecosystem of pure research, applied research, medical practice, and commercial application.

Global CONNECT, a public program of UC San Diego Extension, offers an immersive, custom tailored, one- to two-week long training program focused on the life sciences that takes advantage of the resources this region has to offer. This program is a proven compliment to an existing degree program by serving as a means of practical professional development. The short course exposes participants to a range of topics related to starting and growing a life sciences company while drawing upon the deep experience of entrepreneurs, scientists, investors, service providers, and others who make up the ecosystem.

By incorporating guest speakers who are leading experts in the industry and site visits to companies as part of the program, participants also gain a window into how theory plays out in reality.

Fully customizable based on client input, the program may be structured to cover topics such as:

- History and overview of San Diego's life sciences industry
- The path to commercialization, from the research lab to market
- Practical aspects of conducting clinical trials and dealing with regulatory affairs
- The risk capital "food chain" for different stages of development
- Entrepreneurship in the life sciences – what it means to start and grow a new company
- Architecting the right business model and understanding the complex market in the US for life science products

Additionally, clients have the option to focus on specific subsets of the life sciences industry. Examples include therapeutics, medical devices, mobile health, bioinformatics, biofuels, or genomics among others. Through a unique blend of curriculum and practicum, participants gain a deep understanding of how this vibrant industry operates in ways that can only be fully appreciated through hands-on experience.





About Global CONNECT™

Global CONNECT™ is an applied research and technical assistance consultancy based within the University of California, San Diego. The experienced and diverse Global CONNECT team focuses on assisting governments, companies, and scholars in building Innovation capacity and accelerating the commercialization of new technologies through customized education and research services.

EDUCATION

- Customized workshops
- Certificate programs
- Youth entrepreneurship programs
- Train-the-trainer programs
- Visiting fellowships

RESEARCH

- Data collection and analysis (regional innovation capacity)
- Learning needs assessment (in connection with educational programs)
- Program evaluation

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