

Contact

www.linkedin.com/in/lubosebo
(LinkedIn)
www.scripps.edu/skaggs/rebek/
(Other)
www.diederich.chem.ethz.ch/
(Other)
www.pacificbiosciences.com
(Other)

Top Skills

Biotechnology
Drug Discovery
Synthetic Organic Chemistry

Languages

English
Slovak

Patents

Photo-induced damage mitigating agents and preparation and methods of use thereof
Polymerase enzyme substrates with protein shield
Single molecule sequencing with two distinct chemistry steps
Modulators of calcitonin and amylin receptor activity

Lubomir Sebo

Principal Scientist I at Pacific Biosciences
San Francisco Bay Area

Summary

Design and synthesis of reagents for DNA sequencing

Expertise in modern synthetic organic chemistry and supramolecular chemistry with focus on design and synthesis of large complex molecules for interdisciplinary applications

5+ years of pharmaceutical industry experience (small molecule drug discovery, lead optimization, and structure-based drug design in the areas of kinase inhibitors and GPCR ligands)

Specialties: Single-Molecule Real Time DNA sequencing, fluorescently labeled nucleotides, modern organic synthesis, Click reactions, small molecule drug discovery, lead optimization, structure-based drug design, supramolecular chemistry, self-assembled complexes, encapsulation, carboxylate recognition, molecular animations, POV-Ray, cheminformatics, Macromodel/Maestro

Experience

Pacific Biosciences
Principal Scientist I
March 2008 - Present (15 years 6 months)
Menlo Park

Design and synthesis of reagents for DNA sequencing
Synthetic organic chemistry

Kemia, Inc.
Research Scientist/Senior Scientist
May 2002 - January 2008 (5 years 9 months)

The Scripps Research Institute
Postdoctoral Research Associate
November 1999 - May 2002 (2 years 7 months)

Advisor: Prof. Julius Rebek, Jr.

Hoffmann-La Roche

Intern

January 1994 - March 1994 (3 months)

Dr. Ivan Kompis

Education

ETH Zürich

Ph.D., Organic Chemistry · (1995 - 1999)

Univerzita Komenského v Bratislave

M.S., Organic Chemistry · (1990 - 1995)