Nicholas Berg

Scientist

Nicholas Bai Berg
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Skills

Problem solving. Critical thinking. Public speaking. Research. Data analysis. Time management. Goal oriented. Thinking from first principles. Resilient. Team work.   Competitive. Strong IT skills (coding).

Experience

Victor Chiang Cardiac Research Center / BioNanotechnologist
August 2014 - December 2014, Sydney, Australia

Winner of the grand prize at Harvard Wyss Institute BIOMOD Competition. Developed DNA based nanomachine for detection of ebola virus. Qualified as user of Australian Synchrotron SAXS/WAXS beamline.

National Measurement Institute / Anti-doping Scientist
February 2013 - November 2013, North Ryde, Australia

Detection of small molecules and large peptides in human urine and serum. Analytic techniques included GC-MS, LC-MS, SDS-PAGE, antibody methods. Catalogued sample database. Sample prep.

University of Sydney / Research Scholarship
January 2013, Sydney, Australia

Tethering sugars to organic-metal complexes as a method of targeted drug delivery for anti-cancer agents. Complex chemistry, chromatography, spectroscopy, mass spectrometry.

Macquarie University / Research Scholarship
January 2012 Sydney, Australia

Total synthesis of the natural product Ageladine A, supervised by Prof. Peter Karuso. NMR, distillation, liquid nitrogen, click chemistry.

Education

University of Sydney / Bachelor of Science (Chemistry)
Graduated 2017, Sydney, Australia

Majored in Chemistry, with partial completion of major in Physics. Studied organic, materials, and theoretical chemistry. Extensive laboratory experience.

Extra-Curricular

Represented University of Sydney in debating at international level.

Hobbies: Programming, electronic prototyping, carpentry, chess,

Fitness: Marathon running, cycling, weight lifting, hiking, SCUBA, skiing.

Please contact for referees/references and further information