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The Zechel Lab is offering a **Postdoctoral Position in Microbiology and Enzymology** within the Department of Chemistry at Queen's University. The Postdoctoral Scientist will use a combination of bioinformatics, microbiology, genetic manipulation of gene clusters, and in vitro enzyme analysis to discover, elucidate, and engineer microbial biosynthetic / metabolic pathways. This position will build upon recent advances by the Zechel Lab in phosphonate natural product pathways.

ChemBioChem 2021, <https://doi.org/10.1002/cbic.202100352>
ACS Chem. Biol. 2019, <https://pubs.acs.org/doi/10.1021/acscchembio.9b00024>
Biochemistry 2019, <https://pubs.acs.org/doi/10.1021/acs.biochem.9b00145>
Chem. Rev. 2017, <https://pubs.acs.org/doi/abs/10.1021/acs.chemrev.6b00536>

Anticipated Start Date and Duration of Appointment: Flexible with a preferred start date of May 1st, 2022. Appointment will be for 1 year with the possibility of an extension.

Remuneration: Annual compensations will be commensurate with experience, with a minimum salary of \$48,000 plus benefits.

Required Qualifications: Applicants must hold a PhD or equivalent degree with a strong background in microbiology, bioinformatics, molecular / synthetic biology, small molecule characterization (e.g.: NMR, LC-MS), enzyme catalysis, and assay development. Applicants should also have a demonstrated record of peer-reviewed publications and presentations at research conferences, as well as good communication skills and an interest in collaborating with a multi-disciplinary team of scientists.

Application Instructions: Applicants should submit (1) a cover letter, outlining their qualifications and motivations for this position, (2) a curriculum vitae, and (3) the names and contact information of three references to dlzechel@chem.queensu.ca. The application deadline is February 28th, 2022. Inquiries about the project and position can be requested from Prof. David Zechel (dlzechel@chem.queensu.ca).

Employment Equity: Queen's University invites applications from all qualified individuals. We are committed to employment equity and diversity in the workplace and welcome applications from

women, visible minorities, Aboriginal peoples, persons with disabilities, and LGBTQ2+ persons. We have a track record of supporting all our employees, including our Accommodation in the Workplace Policy, and will provide support in recruitment processes for applicants with accessibility needs. If you require accommodation during the application process, please contact dlzechel@chem.queensu.ca.