TWO POST-DOCTORAL POSITIONS

Self-splicing introns and inteins: Structure, Function, Evolution, Application

Postdoctoral positions are available in the Marlene Belfort lab to study both self-splicing introns and inteins. The group investigates both the dynamics of retrotransposon-like group II introns and their evolutionary relationship to spliceosomal introns, and the structure, function, evolution and application of the protein-splicing inteins. The successful applicants will use genetic, biochemical, structural and high-throughput genomic techniques in bacteria and yeast. We will build on our discoveries [Coros et al. Mol Cell (2009) 34, 250-256; Chalamcharla, et al. Genes Dev. (2010) 24, 827-836; Callahan et al, Nature Struct. and Mol Biol. (2011) 18, 630-633] to explore the lifestyle, host inter-dependence and evolution of these self-splicing, RNA and protein elements.

Candidates should have a Ph.D in Molecular Biology, Biochemistry or related fields, and publications in peer-reviewed journals. Experience with bacterial and yeast genetics, structure and computation are preferred, but not essential.

The laboratory is in an interdisciplinary Life Sciences Research Building and is affiliated with the RNA Institute. UAlbany is located in Albany, NY, which has a vibrant scientific and cultural community, situated a few hours by car or train from New York City, Boston and Montreal. Surrounded by rivers, lakes and mountains, Albany is an ideal location for outdoor activities year round.

To apply, submit a CV, a statement of research interests and career goals, and the names of 3 references to Rebecca McCarthy <rmccarthy3@albany.edu>. These are NIH-funded positions administered by the Research Foundation. an Affirmative Action/Equal Opportunity Employer.