# RNA Structure and Folding Prediction Guided by Innovative Technologies

AstraZeneca, a global biopharmaceutical and biotechnology company, are looking to develop innovative approaches to obtain a more complete picture of the **folding of short and long reads to reveal interactions that create unique, higher order folding structures**.

Therapeutic targeting of RNA is an important and growing field of drug discovery. However, progress has been limited by a lack of understanding of **RNA tertiary structure**, in particular, of **druggable binding sites**.

AstraZeneca are seeking partners who can help develop **AI/physics-based methodologies for predicting RNA tertiary structure and folding accurately**.
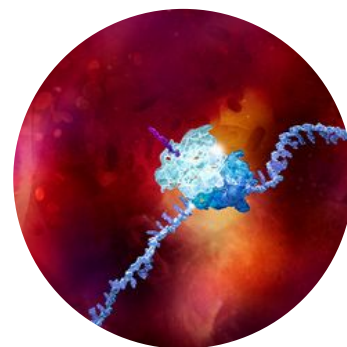
Submission Information

Applicants should complete the **proposal form** which should contain a brief, non-confidential overview of your proposal, including a workplan, approximate budgetary requirements, desired outcomes, and background on your research group. To submit your proposal, please visit our website at discover.in-part.com , register, and submit your application form under the appropriate Discover campaign.

Programme Information

AstraZeneca's CoSolve challenge is a biannual, global Open Innovation programme seeking collaborators with innovative solutions to real research challenges. These challenges lie within the company's R&D research focus areas and require solutions that are immediately translatable. Collaborators are sought who can bring innovative ideas that can be rapidly translated into tangible solutions. Working together, these ideas could help shape the development and delivery of new therapies and bring them to patients sooner.

Opportunity for Collaboration

Applications that are of interest will be selected to participate in the **Challenge Week** - an intensive week where applicants will pitch their ideas and work with AstraZeneca scientists to transform their idea into a workplan. For selected winners from the challenge week, a **collaboration agreement** will be put in place with specified milestones and the winning projects can begin quickly.

Opportunities sought

🧪 Research projects

Submissions

Please submit relevant, non-confidential opportunities online via: discover.in-part.com

Deadline: **10th March 2023 - 11:59 pm GMT**

Have any questions?
Contact our team at discover@in-part.co.uk

AstraZeneca

AstraZeneca is a global, science-led biopharmaceutical business and our innovative medicines are used by millions of patients worldwide.