TACsy Application Form 

Full Name:

*MSCA candidates must not have resided in the country of the first recruitment institution for more than twelve months within three years prior to employment date (expected 1 Sept 2023). List each country of residence and months you resided there, from Aug 2020 until today, and anticipated country of residence from today until Aug 2023.*

Country / Countries of Residence from September 2020 - August 2023:

Apply for up to three (3) DC positions. Indicate with 1 - 3, with 1 as the strongest preference.

\_\_ DC 1: Efficient Graph Canonicalization & Subgraph Finding Approaches for TAC Graphs

First recruitment: Denmark *or* Germany

\_\_ DC 2: Semigroup Theory for Computational Systems Chemistry

First recruitment: Denmark *or* Germany

\_\_ DC 3: From formal behavioral specifications of chemical systems to their chemical Implementation

First recruitment: Germany *or* Austria

\_\_ DC 4: Rule inference - Converting 200 years of chemistry knowledge to graph transformation rules

First recruitment: Germany *or* Denmark

\_\_ DC 5: Machine Learning for Automated Synthesis Planning

First recruitment: Austria *or* Germany

\_\_ DC 6: Dynamical systems theory for generative chemistries

First recruitment: Germany *or* Austria

\_\_ DC 7: Quantum Mechanics and Chemical Graph Transformation

First recruitment: Denmark *or* Germany

\_\_ DC 8: Causality Analysis for Systems Chemistry

First recruitment: Denmark *or* Germany

\_\_ DC 9: Bridging the Gap from Quantum Chemistry to Rule-based Generative Chemistry for IR Reaction Cascades

First recruitment: Denmark *or* Germany

\_\_ DC 10: Design of Multienzyme Cascades Based on Declarative Descriptions: Novel Computational Approaches

First recruitment: Austria *or* Denmark

\_\_ DC 11: Design of Novel Pathways for Production of Bio-Based Chemicals in MECs

First recruitment: Austria

\_\_ DC 12: Pathway Design for Chemical Upgrading and Co-factor Recycling with Cell Extracts

First recruitment: Austria

\_\_ DC 13: Computational Lipidomics and Mass Spectrometry - Learning Mechanistical Models

First recruitment: Denmark *or* Austria

DC 14 position has already been filled.

\*DC 15 position: apply directly to the University of Sheffield, link available Jan/Feb 2023. Mobility restrictions do not apply for DC15.