Max Planck School Matter to Life M.Sc. + Ph.D. Program

Are you a Bachelor's student studying Chemistry, Biochemistry, Materials Science, Molecular Systems Engineering, Physics, Molecular Cell Biology, or Bioengineering and are interested in any of the following topics for your Master's degree: Bioengineering, Biophysics, Biocompatible Materials, Synthetic Biology, Molecular Systems Chemistry, Eco-friendly Chemical Processes, or Biomedical Approaches for Disease Diagnostics and Therapeutics?

The new **Matter to Life Master's programs** at Heidelberg University, Göttingen University, and Technical University of Munich (TUM) offer you a unique environment to study in an interdisciplinary setting with students of different scientific backgrounds. These Master's programs are part of the new **Max Planck School Matter to Life** which supports students with a generous scholarship, annual week-long summer schools, and mentoring by experienced faculty members from the large Matter to Life network consisting of professors at Heidelberg University, Göttingen University, Technical University of Munich, RWTH Aachen University, Saarland University, Leibniz Institute for Interactive Materials at RWTH Aachen, the German Cancer Research Center (DKFZ), the Heidelberg Institute for Theoretical Studies (HITS), and different Max Planck Institutes.

If you are interested in studying life-like processes and share our passion for science, **apply for the Master's program (starting in Fall 2020) by December 1st, 2019**!

For more information visit www.maxplanckschools.org/mattertolife or contact us at mattertolife@maxplanckschools.de. There are also more details below in this email.

Note: The portal will instruct you that you are applying to a 5-year B.S.-to-Ph.D. program. If you are accepted into the school, you will have the option to perform the whole 5-year program (2 years M.Sc. followed by 3 years Ph.D.) with this one application. However, you also have the option to only complete the 2-year M.Sc. program without automatically continuing into the 3-year Ph.D. program.

The program is set up as follows:

Year 1 of M.Sc. (specialized Master's-level courses)

- The first semester will be focused on fundamental Master's-level knowledge in Chemistry, Physics, and Biology of living systems including Physical Chemistry, Quantitative Analysis, Physics of Complex Systems, Biophysics, and Ethics in Synthetic Biology.
- The second semester will emphasize the university specific focus areas: Complex Systems and Biological Physics (Göttingen), Molecular Systems Chemistry and Engineering (Heidelberg University), or Bioengineering (Technical University of Munich).

Year 2 of M.Sc. (research phase)

- The third and fourth semesters will be spent performing research in excellent theoretical and/or wet labs with at least two Matter to Life faculty members (any member within the whole Matter to Life network) and concludes with the submission of your Master's thesis.

Years 3 - 5 (Ph.D. research phase – optional continuation)

You will also have the opportunity to **directly continue with your Ph.D.** after finishing your Master's thesis in the Max Planck School Matter to Life program with one of the Matter to Life faculty members. This phase will be supported with a generous salary, summer schools, mentoring, and various scientific skill courses. The option to choose to continue the program into the 3-year Ph.D. phase is a unique opportunity in Germany that affords you the ability to efficiently and effectively perform research within the same network as your Master's degree without having to re-apply to another program.