**Highly stable polymeric alkaline anion exchange membranes (AAEM) for energy storage and conversion**

At the Institute of Chemistry of Martin-Luther-University Halle-Wittenberg a PhD fellowship is available in the field of electrochemical energy conversion. In a collaboration between two research groups novel alkaline exchange membranes will be developed and tested for their applicability in electrochemical energy conversion devices, and in particular alkaline electrolysis and alkaline redox-flow batteries. Novel polymeric materials developed and extensively characterized in the Macromolecular Chemistry group will be processed to membranes and tested for their physicochemical performance and their electrochemical properties in the Electrochemical Energy Conversion group. Based on the results of physical and electrochemical testing improved polymeric materials will be suggested.

The ideal candidate for this PhD fellowship holds a master in chemistry, materials science or similar and has experience in the field of electrochemistry, electrochemical techniques as well as in the field of macromolecules and organic/polymer synthesis. She/he is able to work in an interdisciplinary work environment, to establish and conduct a well-structured research program and is open to co-operations with other group members.

The successful candidate will be a member of the international graduate school “AGRIPOLY” of Martin-Luther-University Halle-Wittenberg, which is part of the international research academy InGrA of MLU.

The fellowship is available immediately. Please send your applications including a CV, certificates, and a description of research experience as a pdf file by E-mail to michael.bron@chemie.uni-halle.de or to

Prof. Dr. Michael Bron

Martin-Luther-Universität Halle-Wittenberg

Naturwissenschaftliche Fakultät II

Chemie, Physik und Mathematik

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Application deadline is the 27th of May 2019, however after that date applications will still be accepted if the position is not filled.