

## Open PhD student position (all genders) in the Wiegand lab

### “Solid-state NMR investigations of multifunctional catalysts”

- Are you passionate about getting insights into the molecular-level function of catalysts?
- Are you motivated to combine solid-state NMR spectroscopy with catalysis research to get insights into chemical reactivity?
- Do you want to learn more about active centres and paramagnetic species in heterogeneous catalysts as well as the role of ordering phenomena on molecularly modified surfaces?

### If yes, this is the right moment to join our group.

**About the topic.** The permanent evolution of catalytic technologies is of crucial importance to cope with the rise of **alternative renewable energy sources and chemical feedstocks**. Thus, extensive efforts in science and technology are currently dedicated to the development of **multifunctional catalytic systems** possessing improved properties. The project will be performed in close collaboration with colleagues within the **Integrated Fuel & Chemical Science Center - FSC<sup>2</sup>**.

### We offer:

- A highly interdisciplinary PhD topic with communication across disciplines.
- Unique scientific environment within the FSC<sup>2</sup>.
- Opportunities strengthening personal skills.
- An international and supportive team.
- RWTH is a certified family-friendly University. We support our employees in maintaining a good work-life balance with a wide range of health, advising, and prevention services, for example university sports.

**Prerequisites.** Successful candidates should have a science education in chemistry, physics or similar subjects and a strong interest in spectroscopic techniques.

**How to apply.** Your complete application (1 file) should contain a curriculum vitae (CV) and the names of two professional references whom we may contact. The application should be sent to [wiegand@itmc.rwth-aachen.de](mailto:wiegand@itmc.rwth-aachen.de) We are looking forward to getting to know you! The starting date is flexible, the position is open from April 2026. **Deadline for application is March 8<sup>th</sup>**. RWTH is an equal opportunities employer. We therefore welcome and encourage applications from all suitably qualified candidates, particularly from groups that are underrepresented at the University. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of national or ethnic origin, sex, sexual orientation, gender identity, religion, disability or age. RWTH is strongly committed to encouraging women in their careers. Female applicants are given preference if they are equally suitable, competent, and professionally qualified, unless a fellow candidate is favoured for a specific reason.

**Questions.** For further information regarding the available positions, please contact Prof. Dr. Wiegand directly by e-mail [wiegand@itmc.rwth-aachen.de](mailto:wiegand@itmc.rwth-aachen.de).