WG member

Prof. **Michael Sigal**, MD, is a physicianscientist specializing in gastroenterology. His work explores how the dialogue between microbes such as *Helicobacter pylori* and gastrointestinal stem cells shapes tissue regeneration, injury, and cancer development.

Prof. Sigal leads a longstanding scientific effort to understand microbial influences on epithelial biology. Supported by the **Emmy Noether Program** (2019–2025), he established an independent research group investigating how bacteria affect gastrointestinal stem cell regulation. His contributions were further recognized with an **ERC Starting Grant (2023–2028)** for his project *REVERT*, examining regeneration as a vulnerable window for microbedriven injury and tumorigenesis.

At the Charité, he has taken on several leadership roles:

- **Professor of Translational Gastrointestinal Oncology** (since 2022)
- **Head of Luminal Gastroenterology and the Luminal GI Clinical Trial Unit** (since 2023)
- **Founder and Head of the Cancer Prevention Research Clinic** (since 2026)

His work has been honored with multiple awards, including the **Robert Koch Award** and the **UEG Rising Star Award** in 2020, the **Thannhauser Award** in 2019, and the **Best Abstract Award** at UEG Week in 2014.

Prof. Sigal's research continues to bridge molecular mechanisms with clinical relevance, advancing approaches in cancer prevention, early detection, and the biology of gastrointestinal regeneration and carcinogenesis.

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