

MICHAEL G METZEN | PhD

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Montréal, QC, Canada

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EDUCATION

PhD Biology

University of Bonn, Germany
06/2008 (*magna cum laude*)

MSc Biology (Univ. Diploma)

University of Bonn, Germany
09/2002

LANGUAGES

German native

English C2

French B2

HARD SKILLS

Project Leadership &
Coordination

Compliance Management &
Reporting

Data Analysis & Computational
Neuroscience

Grant & Budget Management

SOFT SKILLS

Interdisciplinary Communication

Troubleshooting & Problem
Solving

Documentation & Process
Improvement

Bilingual Adaptability

SUMMARY

PhD biologist specialized in computational neuroscience and behavioral research with extensive experience leading scientific projects. Offers a dual qualification: solid academic coordination skills alongside recent practical experience in evaluating AI models. Proven capabilities in securing and managing substantial research funding (>CAD 1.35M), communicating effectively in English, German, and French, and applying AI methodologies for STEM training. Strong background in project planning, reporting, and compliance.

PROFESSIONAL EXPERIENCE

10/2024 - present

AI Tutor STEM Specialist

Handshake AI (contractor since 09/2025)

Outlier (freelancer since 10/2024)

- Quality assurance in the STEM domain to ensure accuracy and standards, supporting the successful completion of 5+ projects.
- Supporting team members through constructive feedback to improve performance.
- Training large language models (LLMs) and generative AI using biology expertise and RLHF.

11/2011 - 03/2024

Research Associate & Postdoctoral Fellow

McGill University, Montréal, QC, Canada

- Project leadership and management of 2-3 person teams.
- Successful acquisition of third-party funding (>CAD 1.35M) and comprehensive budget management.
- Managed laboratory animals and facility operations, ensuring strict regulatory compliance and reporting.
- Delivered 24 articles and 14 presentations.

08/2009 - 11/2011

Program Coordinator & Senior Researcher

Graduate School Bionics - University of Bonn, Bonn, Germany

- Coordination of 11 research groups.
- Technology transfer presentation at Hannover Messe.
- Press communication, HR, and reporting to funding bodies.
- Project lead on biomimetic coronary sensor with 4 publications and 3 presentations.

Continuing Education

- Project Management
- Programming (e.g., GIS, PyTorch, TensorFlow)
- Environment & Conservation

Community Service

- Parents Association @ FACE

Supervision & Teaching

- Mentored 8 MSc/PhD students + 6 interns.
- Lectured at the Marine Biology Laboratory, Woods Hole, MA, USA.