

## Tim Wiegand

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### Education

Since April 2020	<b>Dr. med. (eqvl. MD)</b>	<b>Ludwig Maximilians University, Munich, Germany; Harvard Medical School, Boston, USA</b>
Since Sep 2017	<b>Medical School</b>	<b>Ludwig Maximilians University, Munich, Germany</b>
Sep 2016 – July 2017	Undergraduate Courses <b>Philosophy, Psychology</b>	<b>Ludwig Maximilians University, Munich, Germany</b>
Sep 2008 – July 2016	<b>Abitur (eqvl. A-Levels)</b>	Feodor-Lynen-Gymnasium, Planegg, Germany

### Research Internships

Aug – Oct 2021	Research Trainee (MR spectroscopy, repetitive head impacts)	Center for Clinical Spectroscopy, Brigham and Women's Hospital, <b>Harvard Medical School, Boston</b> USA (PI: Prof. Alexander Lin)
March – Oct 2021	Research Trainee (neuroimaging, mTBI, repetitive head impacts)	Psychiatry Neuroimaging Laboratory, <b>Harvard Medical</b> <b>School, Boston, USA</b> (PI: Prof. Martha Shenton)
Oct 2018	Research Intern (2-photon microscopy, optogenetics, drosophila)	<b>Max Planck Institute Neurobiology,</b> Martinsried, Germany (PI: Prof. Alexander Borst)
Aug – Sept 2018	Research Intern (confocal microscopy, gene editing, calbindin)	<b>Ludwig Maximilians University,</b> Munich, Germany (PI: Prof. Michael Meyer)
Since 2017	Doctoral Student, Research Assistant (neuroimaging, mTBI, repetitive head impacts)	cBRAIN, <b>Ludwig Maximilians</b> <b>University, Munich, Germany</b> (PI: Prof. Inga Koerte)
Aug – Sep 2017	Research Trainee (neuroimaging, mTBI, repetitive head impacts)	Psychiatry Neuroimaging Laboratory, <b>Harvard Medical</b> <b>School, Boston, USA</b> (PI: Prof. Martha Shenton)

## Experience & Positions

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- Since 2021 Ad-hoc reviewer and assistant of European editor at Journal of Neurotrauma
- 2021 **Summer School “From Neural Stem Cells to Artificial Intelligence”**, EUGLOH, University Paris-Saclay
- Since 2021 **Co-Founder and initiator** of the education working group, European Neurotrauma Organization (ENO)
- Since 2020 **Co-Founder of LMU AIM (“Artificial Intelligence in Medicine”)**, LMU Organizer and lecturer in extensive structured course program on AI in medicine at LMU.
- 2020 **Summer Camp on Artificial Intelligence in Medicine**, Global Alliance for Medical Excellence Two-months summer camp on AI in medicine. “Advanced medical AI” certificate.
- 2020 **Neurology Winter School**, LMU Two-months internship at dept. of neurology of university hospital of LMU Munich, combined with broad course program on neurology, neurosurgery, and neuroradiology.
- 2019 **Delegate Oxford Model United Nations (OxIMUN)**
- 2019 **Tutor/TA and Organizer of Model United Nations Program**, LMU Tutor/TA for international politics at LMU and organizer of model UN simulations in Munich, Weimar, and New York.
- Since 2018 **Co-Founder of the Start-Up erimed** We provide exercise books, a video platform, and an app for preparation to the entrance exams to medical school in Germany and Switzerland. In 2021, all rights were acquired by ELSEVIER.
- 2018 **Delegate of Model United Nations Program**, LMU Extensive seminar on international politics, combined with simulations of UN assemblies in Munich, Berlin, and New York.

## Awards & Scholarships

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- 2020 **International research scholarship (iFO)** by LMU & Harvard Club
- 2020 **Doctoral studies scholarship** by LMU
- 2019/2020 4 awards for **best model UN delegate performance** in Berlin and New York
- 2019 Travel scholarship by **Laufer Foundation**
- Since 2017 Scholarship by the **Konrad Adenauer Foundation** for excellent students
- 2016 Scholarship of LMU’s **Entrepreneurship Center** for founding erimed

## Publications

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### Original Articles:

Kochsiek J, O'Donnell LJ, Zhang F, Bonke EM, Sollmann N, Tripodis Y, **Wiegand TLT**, Kaufmann D, Um-minger L, Di Biase M, Kaufmann E, Alosco ML, Martin BM, Lin AP, Coleman MJ, Pasternak O, Bouix S, Stern RA, Shenton ME\*, Koerte IK\*. **Plasma Total Tau Correlates with Corpus Callosum Microstruc-ture in Former Professional Football Players**. JMRI, 2021.

### Review Articles:

Esopenko C, Sollmann N, Bonke EM, **Wiegand TLT**, Heinen F, de Souza NL, Breedlove KM, Shenton EM, Lin AP, Koerte IK. **Current and Emerging Techniques in Neuroimaging of Sport-Related Concussion**. J Clin Neurophysiol, 2021.

**Wiegand TLT**, Sollmann N, Bonke EM, Umeasalugo KE, Sobolewski KR, Plesnila N, Shenton ME, Lin AP, Koerte IK. **Translational Neuroimaging in Mild Traumatic Brain Injury**. J Neurosci Res, 2021.

**Wiegand TLT**, Rémi J, Dimitriadis K. **Electroencephalography in Delirium Detection and Assessment. A Scoping Review**. Neurocrit Care. *Submitted*.

### As Part of a Consortium:

Koerte IK, Bahr R, Filipcik P, Gooijers J, Leemans A, Lin AP, Tripodis Y, Shenton ME, Sochen N, Swinnen SP, Pasternak O **for the REPIMPACT Consortium Investigators**. **REPIMPACT – A Prospective Longitu-dinal Multisite Study on the Effects of Repetitive Head Impacts in Youth Soccer**. Brain Imaging Behav, 2021.

Alosco ML, Mariani ML, Adler CH, Balcer LJ, Bernick C, Au R, Banks SJ, Barr WB, Bouix S, Cantu RC, Coleman MJ, Dodick DW, Farrer LA, Geda YE, Katz DI, Koerte IK, Kowall NW, Lin AP, Marcus DS, Marek KL, McClean MD, McKee AC, Mez J, Palmisano JN, Peskind ER, Tripodis Y, Turner II RW, Wethe JV, Cummings JL, Reiman EM, Shenton ME, Stern RA. **Developing methods to detect and diagnose chronic traumatic encephalopathy during life: Rationale, design, and methodology for the DIAGNOSE CTE Research Project**. Alzheimer's Res Ther, 2021.

### Abstracts and Posters:

Bonke EM, Bonfert M, Hillmann S, Sandmo SB, **Wiegand TLT**, Yhang E, Dégeilh F, Gaubert M, Kaufmann D, Schwarz-Mörtel B, Clauwaert A, Seer C, Seitz-Holland J, De Luca A, Gooijers J, Leemans A, Lin AP, Pasternak O, Swinnen SP, Tripodis Y, Tacke U, Heinen F, Koerte IK. **Prevalence rate and higher cogni-tive functions in youth athletes with signs of minor neurological dysfunction**. AusACPDM/IAACD, 2021.

**Wiegand TLT**, Bonke EM, Yhang Y, Gaubert M, Seitz-Holland J, Kaufmann D, Sandmo SM, Gooijers J, De Luca A, Leemans A, Swinnen SP, Heinen F, Tripodis Y, Pasternak O, Lin AP, Koerte IK. **Neurochemical Abnormalities in Adolescent Soccer Players**. Harvard-LMU Young Scientists Forum, 2021.

Bonke EM, Bonfert B, Hillmann S, Sandmo SB, **Wiegand TLT**, Yhang E, Dégeilh F, Gaubert M, Kaufmann D, Schwarz-Moertl B, Clauwaert A, Seer C, Seitz-Holland J, De Luca A, Gooijers J, Leemans A, Lin AP, Pasternak O, Swinnen SP, Tripodis Y, Tacke U, Heinen F, Koerte IK. **Prevalence of signs of minor neu-rological dysfunction and its association with higher cognitive function in youth athletes**. Harvard-LMU Young Scientists Forum, 2021.

**Other Publications:**

- 2018 - 2021    **erimed Preparation Material** (German)  
9 exercise books and 1 strategy book for preparation for entrance exams to medical school in Germany and Switzerland.
- 2018         **Fundraising E-Book** (German), 90 pages  
Introductory e-Book about fundraising for NGOs; was a fundraising-activity itself; by selling the e-Book to other NGOs, I managed to collect 1,200€ for my Lions Club.
- 2017         **Die Geister, die wir riefen** (German), 304 pages  
Book about international politics, development aid, political philosophy, and the refugee crisis; sold over 120 times before made freely available online.

**Further Skills & Interests**

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- Languages**     German, English, Italian, Latin
- Software**      Linux, FreeSurfer, SPM, FSL, SPSS, Python, SAS, LaTeX, WordPress
- Hobbies**        Global Health, Philosophy, International Politics, Jazz