

Standing Committee Nomination Form 2024

First Nomination **Nomination for re-election**

This nomination is for:

- Membership Liaison and Support Committee Dental Practice Committee
 Education Committee **Science Committee**
 Public Health Committee

DOCUMENTATION REQUIRED

Written presentation from the Nominee in English

Included


Curriculum Vitae (CV) / personal record in English

Included

NOMINEE'S INFORMATION

Title: Prof. Dr. med. dent. MDPH
Name: Falk Schwendicke
Address: Clinic for Conservative Dentistry and Periodontology University Hospital of the Ludwig-Maximilians-University Munich Goethestrasse 70 80336 Munich Germany Falk.Schwendicke@med.uni-muenchen.de
Member Association: German Dental Association
The nominee declares that he is willing to serve in this position <input checked="" type="checkbox"/> Yes <i>Falk Schwendicke</i> in May 2024

NOMINATING ASSOCIATION/ORGANIZATION'S INFORMATION

Name of the Association: German Dental Association
Name of Official representing this Association: Stefanie Tiede
Position of Official: National Liaison Officer
 In May 2024

To be eligible for election to a standing committee, nominees should meet the specific criteria for each committee listed below. Please tick the boxes below if the corresponding criteria are met.

Science Committee Note: *for Science Committee, a mix of members with expertise from different areas is important. There is currently a requirement for candidates with experience in the fields of oral pathology / oral medicine, gerodontology / general dentistry and periodontology.*

- Able to communicate effectively in English verbally and in writing
- Post-graduate scientific qualifications
- A substantial record of publications in scientific journals especially dental
- Experience in the management of scientific projects
- Knowledge of the principles and practice of evidence-based dentistry
- Contacts (network) of internationally renowned dental scientists
- A successful candidate evaluation results (in case of nomination for re-elections)

Prof Dr med dent Falk Schwendicke MDPH

*Clinic for Conservative Dentistry and Periodontology
University Hospital of the Ludwig-Maximilians-University Munich
Goethestrasse 70
80336 Munich
Germany*

My research is multi-methodological (digital health and AI in dentistry, cariology, prevention and primary care, public and global health and health services research, health economics, clinical and implementation sciences), highly collaborative, and has a strong translational focus. I serve as head of an interdisciplinary department including operative and preventive dentistry, cariology and endodontics, pediatric and digital dentistry and periodontology (around 100 staff members). My research was published in highly ranked journals (>400 papers in peer-reviewed journals) and received extensive, mostly overhead-bearing funding (>5 million Euro) from public grantees like the German Research Foundation (DFG), the German Ministry of Science and Education (BMBF), the Berlin Institute of Health (federal funding) and various foundations. I received the 'David Sackett-Award for Evidence-Based Medicine' and the IADR Emerging Leader Centennial Award.

I serve as topic group driver of the WHO Global Initiative AI for Health, as ISO Convenor TC 106 WG 13 AI, as president of the German Society of AI in Dental Medicine and as speaker of the dentistry section in the German Network of Evidence-Based Medicine. I am a JDR Associated Editor and active IADR member. During my last tenure in the Science Committee, I chaired the AI Working Group and (co-)authored FDI's White Paper and Policy Statement on AI, respectively.

My teaching has been focused on diagnostics, preventive and operative dentistry, endodontics and periodontology, including cross-sectional topics like evidence-based and public health dentistry. I received an award for innovative teaching ('Max Rubner-Award for Changers') by the Charité foundation in 2014. I am an editor and author of various books and book chapters with clinical, preventive and public health background.

I would like to continue to bring all my expertise and knowledge in the field of dentistry as well as my experience in working in international and multicultural environments to the FDI Standing Committee 'Science' and carry on my current work in the committee. Moreover, I would like to continue to offer my extensive network in professional politics and academy on national and international level to enhance the committee's work.



Munich, May 2024

Personal details

Name: **Falk Schwendicke**
Title: **Prof. Dr. med. dent., MDPH**
Date of birth: **24 December 1982**
Place of birth: **Pasewalk, Germany**



Address:

Clinic for Conservative Dentistry and Periodontology
University Hospital of the Ludwig-Maximilians-University Munich
Goethestrasse 70
80336 Munich
Germany

Vita

- since 2024 **Chair and Head**, Conservative Dentistry and Periodontology, University Hospital of the Ludwig-Maximilians-University Munich
- since 2023 **Distinguished Professor, Saveetha Dental College and Hospitals**, Chennai, India
- since 2022 **Honorary Skou Professor, University of Aarhus**
- since 2022 ISO Convenor TC 106 WG 13 AI
- since 2021 Chair **FDI Artificial Intelligence Working Group**
- since 2020 **Stanford Citation Ranking**: 1% most cited researcher in dentistry
- 2020-2023 **Chair and Director**, Department of Oral Diagnostics, Digital Health, Health Services Research, Charité – Universitätsmedizin Berlin
- since 2019 **Lead**, Topic Group Dental Diagnostics WHO/ITU Focus Group AI4H
- since 2019 Associate Editor, **Journal of Dental Research**
- 2018 **Buonocore Memorial Lecturer**, Academy of Operative Dentistry
- 2018-2019 **Associate Editor**, BMC Health Services Research
- since 2017 Editorial Board **DZZ – Deutsche Zahnärztliche Zeitschrift**
- 2017-2019 Editorial Board **Community Dentistry Oral Epidemiology**
- 2016-2018 **Associate Editor**, BMC Trials
- 2016-2020 **Vice President**, German Society for Oral Epidemiology, Public Health, Health Services Research
- 2016 **Visiting Fellow**, University of Otago, New Zealand
- 2015-2019 **Deputy Head of Department**, Department of Operative and Preventive Dentistry, Charité – Universitätsmedizin Berlin, Germany
- 2015-2019 Editorial Board, **Journal of Dental Research**
- 2015 **Master of Dental Public Health (MDPH)**, University of Manchester, 'Distinction'
- 2015 Private docenture (**PhD**): Selective excavation – chances and barriers, Charité – Universitätsmedizin Berlin
- 2015-2017 Editorial Board, **International Journal of Dental Hygiene**
- 2014-2017 **Treasurer**, IADR Network for Evidence-based Dentistry
- 2013-2015 **Head of section** for preventive dentistry, Department of Operative and Preventive Dentistry, Charité – Universitätsmedizin Berlin
- 2013-2019 **Associate Professor**, Department of Operative and Preventive Dentistry, Charité – Universitätsmedizin Berlin
- 2012-2013 **Assistant Professor**, Clinic for Conservative Dentistry and Periodontology, Christian-Albrechts-Universität Kiel, Germany

2009-2012	Associate Dentist , Oxfordshire, United Kingdom
2009	Associate Dentist , Neubrandenburg, Germany
2009	Dental license , German Dental License Board, Berlin, Germany
2009	Doctorate thesis , Institute for Biochemistry, Charité – Universitätsmedizin Berlin, Germany: “Peptidic Inhibitors of a filarial chitinase – exploration and characterisation” (magna cum laude)
2008	Dental exam , Charité – Universitätsmedizin Berlin (‘Excellent’)
2003-2008	Scholar of the Konrad-Adenauer-Foundation
2003-2008	Studies of Dentistry, Charité – Universitätsmedizin Berlin, Germany

Academic service

2019-2023	Research Commission , Charité – Universitätsmedizin Berlin
2015-2017	Doctoral and PhD commission , Charité – Universitätsmedizin Berlin
since 2013	Commissioner for hygiene , Department of Operative and Preventive Dentistry, Charité – Universitätsmedizin Berlin, Germany
2012-2013	Quality commissioner , Clinic for Conservative Dentistry and Periodontology, Christian-Albrechts-Universität Kiel, Germany
2006-2007	Teaching commission , Charité – Universitätsmedizin Berlin

Awards

2022	Journal of Endodontics Award 2021 <i>Sherwood, A.A., Sherwood, A.I., Setzer, F.C., Deevi, S.K., Shamili, J.V., John, C., Schwendicke, F.</i> “A Deep Learning Approach to Segment and Classify C-Shaped Canal Morphologies in Mandibular Second Molars Using Cone-beam Computed Tomography”
2021	QUEST Award des Berlin Institute of Health <i>Holtkamp, A., Elhennawy, K., Cejudo, J.E., Krois, J., Paris, S., Schwendicke, F.</i> “Generalizability of Deep Learning Models for Caries Detection in Near-Infrared Light Transillumination Images”
2020	Bester wissenschaftlicher Artikel „Oralprophylaxe und Kinderzahnheilkunde“ 2020 <i>Elhennawy, K., Finke, C., Paris, S., Jost-Brinkmann, P.G., Schwendicke, F.</i> „Schrittweise versus selektive Exkavation tiefer Milchmolarenkaries: 18-Monats-Ergebnisse einer randomisiert-kontrollierten Studie“

- 2020 **Journal of Endodontics Award 2020**
Ekert, T., Krois, J., Elhennawy, K., Golla, T., Schwendicke, F.,
“Deep Learning for the Radiographic Detection of Apical Lesions”
- 2020 **IADR Centennial Emerging Leaders Award**
- 2019 **Vortragspreis Interdentale 2019**
- 2019 **QUEST Award des Berlin Institute of Health**
Krois, J., Graetz, C., Kocher, T., Holtfreter, B., Schwendicke, F.
“Evaluating Modeling and Validation Strategies for Tooth Loss”
- 2019 **Charité Entrepreneur Summit Award Digital**
F. Schwendicke, J. Krois, A. Ali
“Dental Xr.ai: Automated detection of dental pathologies on radiographs”
- 2019 **Wrigley Prophylaxepreis (1. Platz)**
Elhennawy, K., Jost-Brinkmann, P.G., Paris, S., Schwendicke, F.
“Selektive vs. Schrittweise Exkavation in Milchmolaren: 18-
Monatsergebnisse einer randomisierten Studie”
- 2018 **Dental Innovation Award, Stiftung Innovative Zahnmedizin (1. Platz)**
Schwendicke, F., Krois, J.:
Dental Image Analysis using Deep Learning
- 2018 **Wrigley Prophylaxepreis (3. Platz)**
*Schwendicke, F., Foster Page, L.A., Fontana, M., Thomson, W.M.,
Baker, S.:*
“To fill or not to fill: A qualitative cross-country study on dentists’
decisions in managing non-cavitated proximal caries lesions”
- 2018 **IADR Basil Bibby Award for Excellence in Cariology**
- 2017 **Wrigley Prophylaxepreis (2. Platz)**
Göstemeyer, G., Kohls, A., Paris, S., Schwendicke, F.:
“Root caries prevention via sodium fluoride, chlorhexidine and silver
diamine fluoride *in vitro*”
- 2016 **GC-Publikationspreis der DGR²Z**
Schwendicke, F., Blunck, U., Tu, Y.-K., Göstemeyer, G.:
“Does classification of materials lead to erroneous conclusions?”
- 2016 **IADR UoM Award for Evidence-based Dentistry**
Schwendicke, F., Göstemeyer, G., Blunck, U., Paris, S., Tu, Y.K.:
“Directly Placed Restorative Materials: Review and Network Meta-
analysis”
- 2016 **Wrigley Prophylaxepreis (2. Platz)**
Göstemeyer, G., Kohls, A., Paris, S., Schwendicke, F.:
“Root caries prevention via sodium fluoride, chlorhexidine and silver
diamine fluoride *in vitro*”
- 2015 **IADR Lion Award**
- 2015 **GC-Publikationspreis der DGR²Z**
Brouwer, F., Askar, H., Paris, S., Schwendicke, F.:

- “Detecting secondary caries lesions: A systematic review and meta-analysis“
- 2015 **European Federation of Conservative Dentistry Poster Award**
Schwendicke, F., Kern, M., Dörfer, C., Blunck, U., Paris, S.:
“Influence of using different bonding systems and composites on the margin integrity and the mechanical properties of selectively excavated teeth *in vitro*”
- 2014 **David Sackett-Preis** für Evidenzbasierte Medizin
Schwendicke, F., Stolpe, M. Meyer-Lueckel, H., Paris, S., Dörfer, C.:
“Cost-effectiveness of one- and two-step incomplete and complete excavation”
- 2014 **Max Rubner-Preis**
Schwendicke F., Gruner, G., Paris, S.:
„Innovative Inhalte in einem zeitgemäßen Format – Neustrukturierung des Phantomkurses der Zahnerhaltung und Parodontologie“
- 2014 **Oral B Prophylaxepreis (3. Platz)**
Schwendicke, F., Stolpe, M., Meyer-Lueckel, H., Paris, S.:
“Detecting and treating occlusal caries lesions – a cost-effectiveness analysis”
- 2013 **Wrigley Prophylaxepreis (2. Platz)**
Schwendicke, F., Kneist, S., Dörfer, C., Paris, S.:
“Cariogenic effects of *Lactobacillus rhamnosus* GG under various ecological and local conditions *in vitro*”
- 2013 **Erwin Reichenbach-Preis**
Schwendicke, F., Kern, M. Meyer-Lueckel, H., Dörfer, C. Paris, S.:
„Frakturresistenz und marginale Restauraionsqualität von unvollständig exkavierten Zähnen *in vitro*“

Editorial work

Dental magazines

- Journal of Dental Research (**Associate Editor 2019-**)
- International Endodontic Journal
- Journal of Endodontics
- Dental Materials
- Journal of Dentistry
- Journal of Periodontology
- Journal of Clinical Periodontology
- International Journal of Oral Science
- Molecular Oral Microbiology
- International Journal of Computerized Dentistry
- Community Dentistry Oral Epidemiology (**Editorial Board 2017-2018**)
- Operative Dentistry
- Caries Research

- Clinical Oral Investigations
- Oral Diseases
- European Journal of Oral Sciences
- Journal of Adhesive Dentistry
- BMC Oral Health
- International Journal of Paediatric Dentistry
- Acta Odontologica Scandinavica
- BMC Head Face Medicine
- International Dental Journal
- International Dental Hygiene Journal (**Editorial Board 2015-2018**)
- British Dental Journal
- European Journal of Orthodontics
- Quintessence International
- Journal of Dental Education
- DZZ International (**Associate Editor 2018-**)
- Deutsche Zahnärztliche Zeitschrift

Non-dental magazines or organisations

- Deutsche Forschungsgemeinschaft
- The Lancet
- Cochrane Database of Systematic Reviews
- Acta Biomaterialia
- Journal of Mechanical Behavior of Medical Materials
- BMC Microbiology
- Journal of Clinical Medicine (**Guest Editor 2021**)
- Pediatrics
- PLoS One
- Journal of Public Health
- Journal of Epidemiology
- BMC Public Health
- BMC Health Services Research (**Associate Editor 2018**)
- BMC Trials (**Associate Editor 2016-2018**)
- Journal of Clinical Nutrition
- Polymers
- Journal of Infection and Public Health
- Medical Principles and Practice
- BMC Systematic Reviews
- Bundesgesundheitsblatt
- Israel Scientific Foundation
- Irish Research Council
- Hong Kong Health and Medical Research Fund
- Wellcome Trust