



## PIERRE LAHOUD, D.D.S., P.G.D., PH. D. CANDIDATE

### Contact

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### Education

**Master-after-Master in Periodontology (MSc. Clin.) - EFP accredited** | *KU Leuven*, Faculty of Medicine - Leuven, Belgium, 10.2021 - Present

**Doctoral Studies in Biomedical Sciences (Ph.D)** | *KU Leuven*, Faculty of Medicine - Leuven, Belgium, 09.2020 - Present

**Postgraduate Studies in Advanced Medical Imaging (PGD - *Magna Cum Laude*)** | *KU Leuven*, Faculty of Medicine - Leuven, Belgium, 09.2019 - 09.2020

**Erasmus+ Exchange Studies** | *UC Louvain*, Faculty of Medicine and Dental Medicine, *Cliniques Universitaires Saint-Luc* - Brussels, Belgium, 2018

**Diploma of Dental Surgery (DDS - *Summa Cum Laude*)** | *Université Libanaise*, Faculty of Dental Medicine - Beirut, Lebanon, 2014 - 2019

**French Baccalaureate (with *Distinction*), Scientific Section** | *Collège Notre-Dame de Lourdes* - Byblos, Lebanon, 2014

### Experience

**Principal Investigator - Benchmarking Sub-Group** – World Health Organisation, International Telecommunication Union & World Intellectual Property Organisation (WHO-ITU-WIPO) Global Initiative on AI for Health (GI-AI4H) ; Geneva, Switzerland | 02.2024 - Present

**Scientific Collaborator** – World Health Organisation, International Telecommunication Union & World Intellectual Property Organisation (WHO-ITU-WIPO) Global Initiative on AI for Health (GI-AI4H) ; Geneva, Switzerland | 10.2023 - Present

**Research Collaborator** – European Federation of Organisations for Medical Physics (EFOMP) - Special Interest Group (SIG) in Dental Imaging ; Utrecht, Netherlands | 05.2023 - Present

**Member** – KU Leuven Institute of Physics-based Modelling for in-Silico Health (iSi Health) ; Leuven, Belgium | 11.2022 - Present

**Board Member** - Junior Committee of *Digital Dentistry Belgium* ; Brussels, Belgium | 10.2022 - Present

**Scientific Collaborator** – World Health Organisation & International Telecommunication Union (WHO-ITU) - Focus Group on Artificial Intelligence for Health ; Geneva, Switzerland | 10.2022 - 10.2023

**Clinical Resident in Periodontology & Implant Surgery** – Department of Periodontology & Oral Microbiology, Department of Oral Health Sciences, KU Leuven & University Hospitals Leuven ; Leuven, Belgium | 10.2021 - Present

**Consultant for Trans-Alveolar Dental Transplantations** – Department of Oral and Maxillofacial Surgery, University Hospitals Leuven ; Leuven, Belgium | 11.2020 - 06-2023

**Doctoral Researcher** - OMFS-IMPACT Research Group, KU Leuven ; Leuven, Belgium | 09.2020 - Present

**Orthodontic Assistant** - Opdebeeck & Partners Orthodontie ; Halle, Belgium | 11.2019 - 06.2021

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**Pre-Doctoral Researcher** - OMFS-IMPACT Research Group, KU Leuven ; Leuven, Belgium  
| 08.2019 - 09.2020

**President** - AIESEC ; Beirut, Lebanon | 06.2017 -09.2018

**Paramedic (Emergency Medical Technician)** - Red Cross, Emergency Medical  
Department ; Byblos, Lebanon | 06.2016 - 08.2018

**Delegate** - Model United Nations ; Beirut, Lebanon | 09.2012 - 05.2013

### Editorial & Academic Functions

**Departmental Board Representative** for the Residents in Clinical Specialisation Training  
(Dentistry - TSO/TIO) – Department of Oral Health Sciences, KU Leuven & University  
Hospitals Leuven ; Leuven, Belgium | 08.2024 - Present

**Guest Lecturer** Department of Oral and MaxilloFacial Surgery, Faculty of Medicine - Course  
E07M2A: Topics uit de maxillo-faciale heelkunde (3 STP) KU Leuven (Leuven, Belgium)

**Topic Coordinator** in Frontiers in Bioengineering and Biotechnology (JIF 5.7, CiteScore 6.7)  
with Prof. Markus O'Heller. Section: Biomechanics (Lausanne Switzerland).

**Scientific Board Member** of the Oral Health Research Congress - Central European &  
Scandinavian Divisions of the International Association of Dental Research (September 2023),  
Rhodes, Greece.

**Session Chair** during the Oral Health Research Congress - Central European &  
Scandinavian Divisions of the International Association of Dental Research (September 2023),  
Rhodes, Greece.

**Organising Committee Member** in the IADMFR World Tour Congress 2023, of the  
International Association of DentoMaxilloFacial Radiology (July 2023), Brussels, Belgium.

**Organising Committee Board Member** in the AI for Good Global Summit (Workshop and  
Meeting "R") - World Health Organisation & International Telecommunication Union  
Headquarters (July 2023), Geneva, Switzerland.

**Organising Committee Board Member** in the ITU-WHO AI for Health (Workshop and  
Meeting "S" MIT Media Lab & Harvard Kennedy School, Cambridge, US) World Health  
Organisation & International Telecommunication Union (March 2023), MIT-Harvard University,  
Cambridge, Massachusetts, USA.

**Session Chair** during the Oral Health Research Congress - Pan-European Divisions of the  
International Association of Dental Research (September 2022), Marseille, France.

### Additional Certifications

**Supervising a Master's Thesis**, Certificate | *KU Leuven* - Leuven, Belgium, 2024

**ICH-GCP E6 (R2) - Good Clinical Practice**, Certificate | *Good Clinical Practice Alliance -  
Europe (GCPA)* - 2022

**Segmentation and Design**, Certificate | *Materialise* - Leuven, Belgium, 2022

**Diagnostic Reference Levels (DRLs) in Medical Imaging**, Certificate | *International  
Atomic Energy Agency (IAEA)* - Vienna, Austria, 2021

**Radiation Protection in Dental Radiology**, Certificate | *International Atomic Energy  
Agency (IAEA)* - Vienna, Austria, 2021

**Implant Dentistry**, Course Certificate | *Hong Kong University* - Hong Kong, 2021

**Qualification Certification for Cone Beam CT Usage in Dental Practice** | Federal  
Agency for Nuclear Control (FANC) & *KU Leuven* - Belgium, 2020

**Qualification Certification for Radiation Protection in Dental Practice** | Federal Agency

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for Nuclear Control (FANC) & *KU Leuven* - Belgium, 2019

**Emergency Medical Technician (EMT) Certificate** | *Red Cross* - Lebanon, 2017

### Awards and Honours

**Most Cited Article(s) in Journal of Dentistry** (2024 - since 2022) — Lahoud et al. (2022) Development and validation of a novel artificial intelligence driven tool for accurate mandibular canal segmentation on CBCT — Elsevier

**Most Cited Article(s) in Journal of Endodontics** (2023 - since 2020) — Lahoud et al. (2021) Artificial intelligence for fast and accurate 3D tooth segmentation on CBCT — Chicago, IL, USA

**Finalist, Robert Frank Senior Clinical Research Award (2023)** — Central European Division of the International Association of Dental Research (CED-IADR) — Rhodes, Greece

**Albert J. Stichting Travel Award (2023)** - In Recognition for Multidisciplinary and Inter-University Project in the Research Field of Odontostomatology | Fondation Albert Joachim Stichting — Brussels, Belgium

**Most Cited Article(s) in Clinical Oral Investigations** (2023/2022/2021 - since 2020) — Leite et al. (2020) Artificial intelligence-driven novel tool for tooth detection and segmentation on panoramic radiographs — Springer Nature Switzerland.

**ABRO Research Award (2022)** - 13th Congress of the Brazilian Association of Oral Radiology and Diagnostic Imaging | Brazilian Association of Oral Radiology and Diagnostic Imaging — Goiânia, Brazil

**Journal of Endodontics - Best Article Award (2022)** - Best Article in the Category of Regenerative Endodontics — Chicago, IL, USA

**IADMFR MaxilloFacial Research Award - 1st Prize (2021)** | 23rd International Congress of DentoMaxilloFacial Radiology | International Association of DentoMaxilloFacial Radiology - Gwangju, South Korea, April 2021

**Magna Cum Laude (2020)**, Postgraduate Studies in Advanced Medical Imaging, *KU Leuven*, July 2020

**Summa Cum Laude (2019)**, Diploma of Dental Surgery, *Université Libanaise*, July 2019

**Erasmus+ Scholarship (2018)**, *Université Catholique de Louvain (UCLouvain)* | Brussels, Belgium - 2018

**Position Paper Award (2012)**, VI's Committee of the General Assembly | Model United Nations (GC LAU MUN) - Beirut, Lebanon, April 2012

**Distinction**, French Baccalaureate (2014) | *Académie de Paris* - Paris, France, September 2014

### Academic Affiliations & Memberships

#### **Scientific Reviewer**

*Journal of Dental Research* | *Scientific Reports* | *Journal of Dentistry* | *Clinical Implant Dentistry and Related Research* | *Clinical Oral Investigations* | *Journal of Oral and Maxillofacial Surgery* | *International Journal of Paediatric Dentistry* | *BMC Oral Health* | *BMC Medical Imaging* | *IEEE Journal of Biomedical and Health Informatics* | *IEEE Access* | *Frontiers in Bioengineering and Biotechnology* | *Head & Face Medicine* | *SN Applied Sciences* | *PLOS ONE* | *Journal of Clinical Medicine* | *Quantitative Imaging in Medicine and Surgery* | *Heliyon* | *International Journal of Environmental Research and Public Health* | *International Journal of Clinical Research* | *Polish Journal of Radiology* | *Image Analysis & Stereology*.

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## Languages

**Dutch** (C1): Communication: Excellent | Written: Excellent (ITNA Cert.)

**English** (C1): Communication: Excellent | Written: Excellent (TOEFL Cert. - 104)

**Lebanese** (C2): Communication: Excellent | Written: Excellent (Leb. Bac.)

**French** (C2): Communication: Excellent | Written: Excellent (Fr. Bac.)

**German** (A1): Communication: Beginner | Written: Beginner

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