

**Short personal CV- Reinhilde Jacobs -ORCID 0000-0002-3461-0363 –scopus 7401996584 –h-index 71**



*Reinhilde Jacobs is dentist, Doctor in Dental Sciences (PhD University of Leuven), periodontologist (KU Leuven) and Master in Dental Radiology (University of London). She is full professor at the University of Leuven and visiting professor at Karolinska Institutet, Stockholm, Sweden and Dalian Medical University in China. R. Jacobs is heading the omfs impath research group of the KU Leuven (omfsimpath.be), being responsible for research, education as well as clinical activities in the field of dentomaxillofacial radiology (Clinical Head DentoMaxilloFacial Radiology University Hospitals UZKULEuven). She is Secretary General of the International Association of DentoMaxilloFacial Radiology and section editor of Clinical Oral Investigations, International Journal of Oral Implantology, European Journal of Radiology, Journal of Dentistry as well as Oral Radiology. She has received the D Collen Research Travel Award (1994), a postdoctoral fellowship of the European Commission (1994-95) for work with Prof P-I Brånemark (Univ Göteborg), the IADR Young Investigators Award (1998) and the Belgian Joachim Award in the Odontostomatology (1999). In 2013, she received a Dr Honoris Causa at the "Iuliu Hatieganu" University of Medicine and Pharmacy in Cluj-Napoca. She is involved in many multidisciplinary and interuniversity research collaborations and has been actively participating in 5 European projects (ref. Pisa, Minosquare, Osteodent, SedentexCT, Dimitra). She is (co-)author of 6 books and more than 550 publications in peer-reviewed journals besides multiple invited lectures and publications. **Publication record:** <http://www.omfsimpath.be/team-2/prof.%20dr.%20reinhilde%20jacobs.html> **h-index scopus: 71***

**Education (Academic qualifications)**

- 1985:** Undergraduate education in Mathematics and Sciences, Koninklijk Atheneum Asse.
- 1990:** License in Dental Sciences (summa cum laude), Catholic University Leuven.
- 1993:** Doctorate in Dental Sciences (PhD)(title: "Sensory inputs and jaw motor control"), Catholic University Leuven.
- 1996:** Specialty in Periodontology (Department of Periodontology), Catholic University Leuven.
- 2001:** Postgraduate diploma in Dental Radiology, University of London, Guy's, King's & St Thomas Dental Institute.
- 2002:** Master in Dental Radiology (distinction), University of London, Guy's, King's & St Thomas Dental Institute.

**Employment history (Previous academic positions held)**

- 1990-1994:** Research Assistant of the Belgian Fund for Scientific Research (N.F.W.O.). Full-time researcher at the Laboratory of Oral Physiology, Dept. Periodontology, Catholic University Leuven;
- 1994-1995:** Research Fellow of the Commission of the European Commission, University of Gothenburg, Sweden;
- 1994-2004:** Postdoctoral Fellow of the Fund for Scientific Research - Flanders - Belgium;
- 1994-2001:** Professor & Clinical Supervisor Department of Periodontology, Catholic University Leuven, Belgium;
- 1997-2013:** Part-time Clinical Supervisor at Unit of Oral Radiology, University Hospital Leuven, Belgium.
- 2001-2013:** Full Prof. at the Oral Imaging Center and Department of Periodontology, Catholic University Leuven.

**Institutional responsibilities (Present academic position)**

- 2008-.....:** Visiting Prof. Dalian Medical University, Dalian, China
- 2013-.....:** Clinical Head DentoMaxillofacial Radiology Center, University Hospital Leuven, Belgium
- 2013-.....:** Full Prof. and Research Coordinator Omfs Impath research group, University of Leuven, Belgium
- 2016-.....:** Visiting Prof/researcher. Karolinska Institutet, Dept Dental Medicine, Stockholm, Sweden
- 2020-2024:** Member Research Council KULEuven

**PhD supervision (<https://omfsimpath.be/phds.html>)**

- 31 Defended PhDs: 24 as promoter and 11 as co-promoter
- 24 Ongoing PhDs: 16 as promoter and 8 as co-promoter
- Since 2017**
- 14 Defended PhDs: 9 as promoter and 5 as co-promoter
- 24 Ongoing PhDs: 16 as promoter and 8 as co-promoter

**Project coordination or involvement (details see [www.omfsimpath.be](http://www.omfsimpath.be))**

- 2 EC grant coordinations (Minosquare 2008-2010 Euratom; Dimitra 2015-2017 Operra Euratom)

2 EC grant partners (Osteodent, FP5 and SedentexCT FP7)  
1 EC European postdoctoral fellowship (1994-1995) University Göteborg , Prof PI Branemark and B Rydevik  
5 FWO research project coordinations (Flanders Research Council)  
6 KULeuven funded projects (OT/C2/C3/Celsa/VES)  
4 academic chairs (Straumann, Anthogyr, Dentsply Sirona, UEG)

#### **Since 2017**

1 EC grant coordination (Dimitra 2017 Operra Euratom)  
2 FWO research project coordinations (Flanders Research Council: Treasure and Primordial)  
2 KULeuven funded projects (C2/Celsa)  
4 academic chairs (Straumann, Anthogyr, Dentsply Sirona, UEG)

#### **Major responsibilities internationally**

2005-2006 President Diagnostic Systems Research group International Association Dental Research  
2006 Chair 10<sup>th</sup> European Congress Dentomaxillofacial Radiology, Leuven (EADMFR)  
2010-2012 President European Academy dentomaxillofacial radiology (EADMFR)  
2010-2014 Group Program Chair Diagnostic Systems Research group International Association Dental Research  
2015-2017 Secretary General-elect International Association Dentomaxillofacial Radiology (IADMFR)  
2017-..... Secretary General International Association Dentomaxillofacial Radiology (IADMFR)  
2018- ... Digital Dentistry Society Belgian Ambassador and Scientific Board member  
2048-.... Digital Dentistry Society Scientific Board member  
2020-... Digital Dentistry Belgium – President  
2021-.... Digital Dentistry Society Board member

#### **Editorial work**

##### **Associate editor**

Clinical oral investigations (2007-2018); Oral radiology (2012-... ); J Oral Rehabilitation (2008-2014)  
European Journal Oral Implantology (2015-2019); Tandheelkundig Jaar (2004-2018 journal discontinued 2018)

##### **Section editor**

Clinical Oral Investigations (2019-.....); International Journal Oral Implantology (2019-...); European Journal of Radiology (2020-...); Journal of Dentistry Section Digital Dentistry (2021-...)

#### **Prizes, awards, fellowships (Grants & Honors) (all see <https://www.omfsimpath.be/awards.html>)**

**1990-1994:** Doctoral Research fellowship of the Belgian National Fund for Scientific Research;  
**1994-1995:** Individual Postdoctoral Research Fellowship of the Commission of the European Community;  
**1995-1996:** D. Collen Research Foundation research grant.  
**1994-2004:** Postdoctoral researcher of the Fund for Scientific Research – Flanders, Belgium  
**1998:** Young Investigator Award from the International Association of Dental Research  
**1999:** Two-yearly interuniversity Award A. Joachim in the Odontostomatology  
**2007: IADMFR research award** (Loubele et al) Dentomaxillofac Radiol. 2008;37:309-18.  
**2008: Arthur Wuehrmann Prize:** best article in the oral radiology section of OOOOE OOOOE; 2007;104: 821-8.  
**2009: Arthur Wuehrmann Prize:** best article in the oral radiology section of OOOOE OOOOE 2008;106:285-93.  
**2010 European Association Osseointegration Basic Science Award** Habre et al (05.10.2010, Glasgow)  
**2013 : Doctor Honoris Causa Univ Med & Pharmacy Cluj-Napoca** (10.10.2013)  
**2021: IADMFR research award** (Lahoud et al)  
**2021: DDS scientific presentation 1<sup>st</sup> and 2<sup>nd</sup> prize** (Fontanele et al. and Gerhardt et al.)

#### **Scientific impact and other scientific output**

- Establishing OMFS-IMPATh research group (2013, omfsimpath.be) with 45 researchers, 28 finalised and 24 ongoing PhD Projects, 4 academic co-chairs, and more than 1 international peer-reviewed paper/week
- Guest professor in Karolinska Institute, Sweden and Dalian Medical University, China
- Dr Honoris Causa at Iuliu Hatieganu Univ of Medicine and Pharmacy in Cluj-Napoca, Romania.
- Worldwide research team leader and key opinion leader on Dentomaxillofacial Cone Beam Computed Tomography (CBCT)(> 190 publ), within 10% most cited researchers in Karolinska institute (worldwide ranked 1st on Microsoft Academic and Expertscape for Dentomaxillofacial Radiology and Oral Diagnosis).
- Development and validation of the first clinical protocol for CBCT-based tooth autotransplantation using 3D printed surgical guides and tooth replicas with successful 10-years outcome (Ezeldeen et al. 2019)
- EC Project Coordinator Minosquare (Euratom, 1998-2001) and Dimitra (Euratom, 2014- 2017)
- Establishing concept of Osseoperception with book Jacobs R (1998) Osseoperception

- Establishing concept of 3D presurgical planning of implant placement (1994-1998). Book (Springer) Jacobs R, van Steenberghe D (1998) Radiographic planning and assessment of endosseous oral implants
- Pioneering in dentoalveolar bioprinting (<https://www.omfsimpath.be/research1/bioprinting.html>)
- Pioneering in AI in dentistry and dental radiomics (<https://omfsimpath.be/research1/ai.html>)