

CV / 05-2026 / PERSONAL DETAILS

Family name: Vallittu, First name: Pekka K.
Nationality: FIN Year of birth: 1965
URL for web site: www.utu.fi/en/people/pekka-vallittu
<http://biomaterials.utu.fi/> www.pekkavallittu.wordpress.com
ORCID: orcid.org/0000-0002-9981-6717

DEGREES

2000 EPA-Recognized Specialist in Prosthodontics (Specialist in Prosthetic Dentistry and Stomatognathic Physiology), University of Turku, Finland
1994 Doctor of Odontology (PhD), University of Kuopio, Finland
1994 Licentiate of Odontology (DDS), University of Kuopio, Finland
1988 Certified Dental Technician (CDT), Institute of Dental Technology, Kuopio, Finland
1984 Matriculation examination, Urheilupuiston lukio, Mikkeli, Finland

CURRENT EMPLOYMENT AND POSITIONS

2006 – Present Professor and Chair of Biomaterials Science, Department of Biomaterials Science, Institute of Dentistry University of Turku, Finland
2026 - Present Visiting Professor, Sahlgrenska Akademi, University of Göteborg, Sweden
2000-2004
2005-2010
2024- Present Member of the Board of Nordic Institute of Dental Materials Ltd (incl. Nordic Council of Ministers), Oslo, Norway (<https://www.niom.no>)
2004 - 2012
2017- 2024 Head of the Institute of Dentistry, University of Turku
2008 – Present Director Turku Clinical Biomaterials Centre – TCBC
2008 – Present Chief Dentist (part-time), Wellbeing Services County of Southwest Finland (VARHA)
2011 – Present Honorary Professor, University of Hong Kong, PRC, China
2011 – Present Founder, Chairman of the Board (2019-2022) Scientific Advisor of Skulle Implants Corporation www.skulleimplants.com
1997 – Present Founder and Scientific Advisor of Stick Tech Ltd – Member of GC Group (www.stickttech.com)
2021 - Present Founder and Chairman of the Board of Rayo Biotech Industries Ltd
2021 - Present Founder and Chairman of the Board of Rayo 3D Biotech Ltd www.rayo3D.fi
2024 - Present Founder and Chairman of the Board Medhydrate Ltd
2011 - Present Founder and CEO Chosen MedDent Ltd
1994 – Present Part-time private dentist practitioner
2011 – Present Editorial Board Memberships: e.g. International Journal of Prosthodontics, Adhesive Dentistry, Open Dentistry, Dental Materials, J Materials Science Materials in Medicine, Journal of Prosthodontics

PREVIOUS WORK EXPERIENCE AND POSITIONS

2018 - 2025 Member, Board of the University of Turku
2010 – 2023 Subject Editor of the Journal of Mechanical Behavior of Biomedical Materials (JMBSM) (Elsevier)
2013 – 2022 Visiting Professor, King Saud University, Riyadh, Saudi Arabia
2008 – 2021 Director of the BioCity Turku Biomaterials Research Program (www.biomaterials.utu.fi)
2006 – 2011 Coordinator of the European Commission integrated SME project: NEWBONE (NMP-CT-2006-026279)
2004 – 2020 Permanent Advisor of the Finnish Agency of Medicolegal Affairs

2005 - 2006	Acting Professor of Prosthodontics, University of Turku, Finland
2004 – 2012	Head of the Institute of Dentistry, University of Turku
2003 – 2004	Acting Professor of Biomaterials, University of Turku, Finland
1997 – 2002	Associate Professor in Prosthodontics, University of Turku, Finland
1995 – 2006	Docent in Prosthetic Materials Science, University of Turku, Finland
1995 – 1996, 1997	Visiting Researcher, NIOM (Nordic Institute of Dental Materials), Oslo, Norway
1994 - 1995	Lecturer, University of Kuopio, Finland
1992 – 1994	Research Associate, University of Kuopio, Finland
1990 – 1993	Part-time Lecturer Kuopion terveydenhuolto-oppilaitos
1988 – 1994	Part-time Lecturer Valtion hammasteknikko-opisto

RESEARCH FUNDING AND GRANTS

Total amount of external funding obtained (1997 – 2026): Total over 14.500.000 Euros

- National Agency for Technology and Innovation (TEKES, Business Finland), 1997 – 2025: 5.797.000 Euros
- Academy of Finland (including Centre of Excellence funding), 2002 – 2025: 2.150.000 Euros
- Industrial funding 2006-2025: 1.700.000 Euros
- European Commission (NEWBONE Consortium) 2006 –2011: 4.600.000 Euros (Coordinator of the Consortium)
- VTR-ERVA (Hospital District of South-West Finland) funding: 210.000 Euros

RESEARCH OUTPUT

- H-factor of 114 (Google Scholar); 84 (Web of Science)
- Total of over 800 peer reviewed scientific papers (ISI Web of Science All Databases)
- 46 International review articles
- Over 600 International congress abstracts
- 145 professional articles
- >150 granted international patents based on over 45 inventions
- Founder / Co-founder of 5 companies

RESEARCH SUPERVISION AND LEADERSHIP EXPERIENCE

1997 – Present	PhD supervisions: 44
1997 - Present	Evaluations for Professor / Docent positions: 36
1997 - Present	Dissertation Opponent: 29

AWARDS AND HONOURS

2026	Distinguished Scientist Award Wilmer Souder by the International Association of Dental Research (IADR)
2025	Invited Corresponding Member of the Odontologiska Samfundet i Finland
2025	Finnish Dental Association (<i>Suomen Hammaslääkäriliitto</i>) Silver Decoration
2025	Apollonia Finnish Dental Society (<i>Suomen Hammaslääkäriseura Apollonia</i>) Silver Decoration
2024	Invited Member of Finska Vetenskaps-Societeten - <i>Suomen Tiedeseura</i> - The Finnish Society of Sciences and Letters – Société Scientifique de Finlande - Finnische Wissenschaftliche Gesellschaft
2024	Federation of Finnish Learned Societies Gold Medal (<i>Tieteellisten Seurain Valtuuskunta</i>)
2023	Invited Member of the Finnish Academy of Science and Letters (<i>Suomalainen Tiedekatemia</i>)
2023	Scandinavian Society for Biomaterials Award
2022	Apollonia Prize, Finnish Dental Society Apollonia

- 2022 Doctor of Odontology Honoris Causa (h.c.), University of Eastern Finland
 2021 George Winter Award by European Society for Biomaterials (ESB)
 2018 Orders of the White Rose of Finland, Knight First Class (SVR R1)
 2017 Acta Odontologica Scandinavica Big Prize
 2016 Bensow-Äyräpää Prize, Skandinaviska Tandläkarföreningen
 2014 Fellow of the Academy of Dental Materials FADM
 2014 Quality Innovation Award – SIQ, Sweden (with Stick Tech-GC)
 2013 Kliininen Silmä Award – Clinician Eye of the Year (Faculty of Medicine, University of Turku)
 2013 Apollonia Medal in Brass number 73
 2013 IDS Prize 2013 for most innovative new product everXPosterior (with StickTech-GC)
 2013 ProCongress Award (jointly with Prof. Le Bell and Prof. Närhi) by the Visit Finland
 2012 Distinguished Scientist Award in Prosthodontic and Implant Research by the International Association of Dental Research (IADR)
 2003 Writer of the Year, Finnish Dental Journal
 2002 InnoSuomi Prize by the President of Republic of Finland (with Stick Tech Ltd)
 1998 Writer of the Year, Finnish Dental Journal

MAJOR INSTITUTIONAL RESPONSIBILITIES

- 2018- 2024 Member of the Management Team (*johtoryhmä*) of the Faculty of Medicine, University of Turku
 2012–Present Board member of the University Professors Union, Department of University of Turku (*Professoriliitto, paikallisosaston johtokunta*)
 2014- Present Council Member (*Valtuusto*) of the University Professors Union of Finland
 2010- Present Member of the Research Committee of the ERVA region of South-West Finland (presently VARHA) and Research Council of the Hospital District of Southwest Finland
 2010- Present Member of the Evaluation Committee for Clinical Research of the ERVA Region of South-West Finland (presently VARHA)
 2008 – 2017 Member of the Board *Turun Suomalainen Yliopistoseura ry.*
 2020- Present Member of National Student Selection Committee of Medicine Dentistry and Veterinary Medicine
 2015-2024 Belgium Science Foundation: research grant evaluator
 2017- Present Finnish Dental Society Apollonia Grant Committee (*Apurahalautakunta*)
 2012-2017 Member of the Board of the Faculty of Medicine, University of Turku
 2006 – 2021 Member of Program Directors of the BioCity Turku
 2003 – 2008 Chair, Dental Education Curriculum Committee, University of Turku
 2010 – 2017 Member of Publication Forum (*Julkaisufoorumi*), Federation of Finnish Learned Societies
 2010 - 2014 Board member (deputy), *Nordic Institute of Dental Materials Ltd* (NIOM), Oslo, Norway
 2025 Evaluator in EAB for Dept. Oral Health Sciences, KU Leuven, Belgium
 2007 Evaluator in the Panel for Dutch Dental Research
 2019 Evaluator in the RED19 Panel, University of Göteborg, Sweden
 2004 – 2020 Permanent Advisor of the Finnish Agency of Medicolegal Affairs
 2002 – 2011 Expert of Dental Materials for the Swedish Social Ministry (Kunskapscenter för dentala material - KDM, Socialstyrelsen, Sweden)
 1999 – 2010 Board member, *Nordic Institute of Dental Materials* (NIOM), Oslo, Norway

MEMBERSHIPS AND POSITIONS IN SCIENTIFIC SOCIETIES

- 2004 – 2008 Board member, European Prosthodontic Association
 2003 – 2007 Board member, Finnish Dental Society Apollonia
 2002 – 2003 Board member, Finnish Biomaterials Society

- 2000 – 2002 President of the Prosthodontic Division, Finnish Dental Society Apollonia
- 1999 – 2010 Board member, Scandinavian Society for Prosthetic Dentistry
- 1999 – 2007 Continuing Education Committee, Scandinavian Society for Prosthetic Dentistry
- 2009 – Present Member, European Society for Biomaterials
- 2005 - Present Member, International College of Prosthodontists
- 2010 - Present Member, Academy of Dental Materials
- 1994 - Present Member, International Association for Dental Research (Prosthodontic and Implant Research Group, Dental Materials Group)
- 1992 – Present Member, Finnish Dental Society Apollonia

SCIENTIFIC AND SOCIETAL IMPACT

Based on extensive research in the field of biomaterials, particularly biocomposites and bioactive materials, several companies have been established, leading to the introduction of new dental and medical treatments in clinical practice. Millions of dental patients worldwide have been treated with fiber-reinforced composite dental constructs. Additionally, more than 3,000 patients with large cranial bone defects have received bioactive composite implants developed and commercialized by Stick Tech (a member of the GC Group in Japan) and Skulle Implants Ltd, based on innovations of PV. Current research activities focus on long bone implants, cellulose nanocrystal-based composites, biomineralization, and, more recently, paleo-odontology concerning the evolution and nutrition of giant pandas. The latest spin-off companies, Rayo 3D Biotech Ltd and Medhydrate Ltd, are engaged in developing sustainable 3D printing platform technology and hydrating compounds for dermatology and construction industry. PV has been invited to serve as a keynote lecturer over 250 times internationally.

OTHER

- Member of the Finnish Artists (Suomen Taitelijat ry)
 - Military ranking: Second lieutenant (väenrikki)
 - Art Exhibition “Kieppauslinja” 2012
 - Art Exhibition “Otteita hetkistä” 2013
 - Art Exhibition “Aikakultaa” 2019
 - Art Exhibition “Ajan kaikkeus ja kultainen hetki” 2021
 - Art Exhibition ”Forecasting Aurora Borealis” 2022
 - Art Exhibition “Värien ja viivojen kertomaa” 2022
 - Art Exhibition ”Tanssii taivaan tulien kanssa” 2023
 - Art Exhibition ”Viva Magenta” 2023
 - Art Exhibition “Roomasta Turkuun ja yliopistoonkin – Roma Aboam atque in universitatem”, 2023
 - Art Exhibition ”Paratiisi Nauvo”, 2024
 - Art Exhibition “Elokuun värit”, 2024
 - Art Exhibition ”Pieniä paloja”, 2025
 - Art Exhibition “Kohokohtia” 2025
 - Art Exhibition “My Inspiration – Photographs” 2025
 - Art Exhibition “Kaksi tietä saman taivaan alla” 2025
- Hobbies: Art collecting, RC-model aircrafts, boating, oil painting (www.pekkavallittuurt.wordpress.com), house maintenance