

Born: 1962 in Oslo, Norway
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Curriculum vitae

Ellen M. Bruzell

Education

2003: Dr Scient, Institute of Physics, Dept. of Biophysics, Norwegian University of Science and Technology (NTNU), Trondheim, Norway
1988: BSc, Materials Science and Engineering (major)/Chemistry (minor), University of Utah, Salt Lake City, Utah, USA

Current and past employment

Since 2001: Research- (and visiting) scientist, Nordic Institute of Dental Materials (NIOM). Competence as professor granted by an internal committee (NIOM), December 2015
1995-2001: Research scientist and doctorate student, Norwegian Radiation Protection Authority
1997-1998: Radiation research programme coordinator, The Research Council of Norway
1990-1995: Engineer, Department of Paediatrics, Oslo University Hospital (Rikshospitalet)

Research activities and main fields of interest

- Photobiology
 - Combined exposure of exogenous/endogenous substances and optical radiation for the assessment of cell/tissue adverse reactions
 - Antimicrobial photodynamic therapy as an alternative to conventional antibiotics for treatment of infections
 - Phototherapy of newborns suffering from physiological jaundice
- Radiation protection (UV and visible light)
- Biocompatibility of dental materials

Other activities/positions

2014-present: Member of the Norwegian Scientific Committee for Food Safety, Panel on Food Additives, Flavourings, Processing Aids, Materials in Contact with Food and Cosmetics
2013-2015: External expert of the EU SCENIHR Working Group on Dental Amalgam and New Dental Materials (human health effects)
2013-present: National deputy member for COST, EU (Skin Cancer Detection using Laser Imaging)
2011-2015: Employee's representative, NIOM's board
2010-present: External board member, Department of Oral Biology, University of Oslo
2002- present: President (8 years) and board member, Norwegian Society for Photobiology and Photomedicine
1997-2001: Officer of the Organising Committee for the "9th Congress of the European Society for Photobiology"

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Teaching/scientific information

Courses in risk analysis, toxicology, phototoxicology and biocompatibility for dentists specialists' education and dental technology. "Guest lecturer" at Department of Electronics and Telecommunications, Norwegian University of Science and Technology, Trondheim, Norway and the Buskerud and Vestfold University College, Drammen, Norway

Presentations on dental devices, procedures and occupational hazards at the annual scientific meetings for dentists in the Nordic countries.

Censoring

Master theses, Center of Clinical Dental Research, Faculty of Medicine and Dentistry, University of Bergen and Department of Electronics and Telecommunications, Norwegian University of Science and Technology, Norway
Bachelor level courses in Dental Technology, Oslo University College, Norway

Supervision

Currently co-supervising three PhD candidates from School of Pharmacy, University of Oslo, consultant to one PhD candidate from Faculty of Odontology, Lithuanian University of Health Sciences and co-supervising two Master students from Department of Electronics and Telecommunications, Norwegian University of Science and Technology, Norway

Number of papers and reports

About 70 (38 in international scientific journals; 16 peer-reviewed papers/reports in Scandinavian; 16 non peer-reviewed reports and commentaries)

Abstracts at international congresses and meetings

About 50

Referee (not exhaustive list from 2006- present)

Acta Biomaterialia, Acta Odont Scand, Biochim Biophys Acta, JADA, Cancer Cell Intl, J Biomaterials Research: B, J of Dental Research, J Laser Appl, J Perinatal Med, Material Science and Engineering: C, Medicinal Chem Comm, Melanoma Research, Royal Society of Chemistry (various journals), Toxicology In Vitro, Uppsala Medical Journal