

Oscar Janson



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PROFILE

I am a driven and energetic biomaterial scientist with a lifelong passion for scientific discovery and exciting research concepts. I have a great ability to build, keep and develop longstanding relationships, that is what characterizes me most. I am a biomaterial researcher with expertise in antibacterial actions for biomedical implants as well as project management from the planning and execution of a number of large scientific projects. I have thorough experience in data collection and analysis, problem-solving as well as a great ability to coordinate and prioritize multiple projects in parallel. My colleagues often describe me as a happy person that is strongly contributing to a nice atmosphere in our team.

CAREER OBJECTIVE

I am focused, analytic and driven. I am burning to work with biomaterial science and like to work in a project driven organization. I am structured, methodic and good at planning. I am good at communicating results listen and discuss results. I can take own initiatives and am very goal oriented. As a person I am cooperative, open and prestige free. I am curious and have excellent problem solving ability and my work characterizes of drive, efficiency and quality.

WORK EXPERIENCE:



PhD Student Uppsala University Applied Material Science Materials in Medicine 2013-2018

Development of an antibacterial gel to remove biofilms from dental implants on patients with periimplantitis. Modification of Titanium surfaces to enhance the antibacterial effect of titanium implant surfaces with remained or enhanced bioactivity. Teaching in material analysis and construction materials for undergraduate students. Applying diverse material analysis techniques such as scanning electron microscopy, electron dispersive X-ray spectroscopy, X-ray diffraction. Teaching on undergraduate level for physics and construction engineer student. Defended successfully my thesis "Bioactive Coatings and Antibacterial Approaches for Titanium Medical Implants" the 12th of October 2018.

Bactinact

CTO Bactinact 2015-2016

Enhancement of the preparation methods for hydroxyapatite coated biomedical titanium screws.

Guest Researcher Ångström Laboratory Uppsala 2013

Studying enzyme from Cyanobacteria. Culturing cells, SDS PAGE, Western blot, Affinity chromatography, Electron paramagnetic resonance.

Telemarketer Insales AB 2010-2013

Selling telephone subscriptions to small and medium sized companies.

Professional pole vaulter 2002-Present

Competed in Europe. Sponsored by Adidas.

Associate MXI INC 2011

Distributor of the health chocolate Xocai.

Own Internet Marketing Company 2009-2010

Affiliate marketing, sold information products and used search engine optimization.

MEMAB, Energy Expert, and Energy and Climate Advisors 2008-2009

Energy certifications of apartments and villas. Hired two days a week to Kungsbacka Municipality as energy and climate adviser.

Eka Chemicals, a chemical laboratory in 2002

Wet-chemical analysis of hydrogen peroxide and reporting of results.

IK Vikingen, clerk 1995

Internship Work, clerk and leader of youth in the club.

Tomahawk Trading, Stocks Editor 1994 – 1995

Inventory manager

EDUCATION AND DEGREES:



UPPSALA
UNIVERSITET

Uppsala University, PhD Applied Material Science Materials in Medicine 2013-2018

50 points of courses apart from the research and teaching.



CHALMERS

Chalmers Single Courses

2006-2007

Food Chemistry & Applied Optical Spectroscopy



CHALMERS

Chalmers University of Technology, Master of Chemical engineering 2004 - 2006

Studies focusing in biotechnology and chemistry. Thesis work performed at Chalmers, Physical Chemistry: "Characterization of DNA base analogue tCO" Use of different spectroscopic techniques: UV-VIS absorbance, fluorescence, fluorine late life, Linear Dichroism, Circular Dichroism, phosphorescence, Transient Absorption, Voltammetry and quantum chemical calculations in the program HyperChem .



CHALMERS

Chalmers University of Technology, Bachelor of Chemical Engineering 2000 - 2004

Thesis: "Investigation of ventilation measures for improving the air in the cabin of a car". Performed at Volvo Cars materials center.



UNIVERSITY OF
GÖTHEBORG

Gothenburg University 1996 - 1999

Radio Physics: Radioactive isotopes and radiation, 5p - 1999

Ancient culture and society, 20p - 1997

Scientific Basics, 20p - 1996



Hvitfeldtska High School 1991 - 1994

Economic Program

COURSES

2018/11 Good Manufacturing Practice (GMP) Svensk Medicin AB

The GMP training course has provided an intro- and basic training with an overview of the pharmaceutical industry cGMP standards. The course has given a solid understanding of how GMPs applies to the validation of medical products, focusing on R&D, production, regulations, guidelines, interpretations, requirements and applications.

2018/10 Prince2 Foundation Project Management Metier

SPECIAL COMPETENCES or TECHNICAL/LABORATORY SKILLS

Spectroscopy techniques

- Scanning electron microscopy
- Energy dispersive X-ray spectroscopy
- Fluorescence spectroscopy
- Adsorbance spectroscopy
- X-ray diffraction

Cell Culture and in vitro work

- Bacterial proliferation study

Computer Skills

- Image Processing
 - Word processing, Data processing and Presentation software
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SCIENTIFIC COMMUNICATION

Scandinavian society for biomaterials, Hafjell, 2017.

Scandinavian society for biomaterials, Reykjavik, 2016.

World biomaterial congress, Montreal, 2016.

Scandinavian society for biomaterials, Sigulda, 2015.

PEDAGOGIC EXPERIENCE

2015-2017 Lab supervisor: Construction materials: Constructional engineering program. Uppsala university.

2014-2016 Lab supervisor: Material analysis. Technical physics with material science program. Uppsala university

CONFERENCE PARTICIPATION

World immune regulation meeting, Davos, 2014.

COMMISSIONS OF TRUST

Mensa

Member of board, housing cooperation Gimle.

LANGUAGES

English

German

Swedish

PERSONAL

Travel, friends and family.

REFERENCES UPON REQUEST

PUBLICATIONS

First author:

Titanium surface modification to enhance antibacterial and bioactive properties while retaining biocompatibility, *Materials Science & Engineering C*, 2018.

Debridement of Bacterial Biofilms with TiO₂/H₂O₂ Solutions and Visible Light Irradiation, *International Journal of Biomaterials*, 2018.

Organic degradation potential of a TiO₂/H₂O₂/UV-vis system for dental applications, *Journal of Dentistry*, 2017.

Second author:

Antibacterial investigation of titanium-copper alloys using luminescent *Staphylococcus epidermidis* in a direct contact test, *Materials Science & Engineering C*, 2018.