

CURRICULUM VITAE

Irena Sailer, PD Dr. med. dent.

Oberassistentin

Clinic for Fixed and Removable Prosthodontics and Dental Material Science

Center for Dental and Oral Medicine and Cranio-Maxillofacial Surgery

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Home Address: Eierbrechtstr. 5, 8053 Zurich, Switzerland

Date of Birth: August 14th, 1971

Place of Birth: Albstadt-Ebingen, Germany

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EDUCATION

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| 1981-1990 | High school (Gymnasium) in Albstadt-Ebingen, Germany
High school diploma (Abitur) |
| 1990-1997 | Studies in General Dentistry, Faculty of Medicine (graduation as med.dent.)
University of Tübingen, Germany |

LICENCES, CERTIFICATIONS, TITLES

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| 1997 | State Examination for Dentists (Staatsexamen) and Approbation as Dentist,
University of Tübingen, Germany |
| 1998 | „doctor medicinae dentium“ (Dr.med.dent.), University of Tübingen, Germany
„CMV als Komplikation septischer Krankheitsbilder nach Organtransplantation.
Diagnostik mittels pp65- Antigenämieessay.“

Supervised by Prof. Dr. H.D. Becker and Dr. R. Viebahn |
| 2009 | „Adjunct Associate Professor“, Department of Preventive and Restorative Sciences,
Robert Schattner Center, School of Dental Medicine, University of Pennsylvania,
Philadelphia, USA

(Chairman: Prof. Dr. Markus B. Blatz) |
| 2010 | „Privat Dozentin“, Clinic for Fixed and Removable Prosthodontics and Dental Material
Science, University of Zurich

(Chairman: Prof. Dr. C.H.F. Hämmerle) |

PRINCIPAL POSITIONS HELD

1998	Associate in a prosthodontically oriented private practice in Germany (Dr. Horst Dieterich, Winnenden)
1998– 1999	Postgraduate Student at the Clinic for Oral Surgery, Department of Oral and Maxillo-Facial Surgery, University of Zurich (Chairman: Prof. Dr. Dr. h.c. H.F. Sailer)
1999-2000	Postgraduate Student at the Clinic for Fixed and Removable Prosthodontics and Material Science, University of Zurich (Chairman: Prof. Dr. P. Schärer) Funding: DAAD Post-doc Scholarship
2000-2003	Postgraduate Student and Personal Assistant of the Chairman at the Clinic for Fixed and Removable Prosthodontics and Material Science, University of Zurich (Chairman: Prof. Dr. C.H.F. Hammerle)
since 2003	Oberassistentin at the Clinic for Fixed and Removable Prosthodontics and Material Science, University of Zurich (Chairman: Prof. Dr. C.H.F. Hammerle)
2007	Visiting Scholar at the Department for Biomaterials and Biomimetics for 5 months at New York University College of Dentistry, New York, USA (Chairman: Prof. Van Thompson, DDS, PhD)
since 2009	Adjunct Associate Professorship at the Department of Preventive and Restorative Sciences, Robert Schattner Center, School of Dental Medicine, University of Pennsylvania, Philadelphia, USA (Chairman: Prof. Dr. Markus B. Blatz)
since 2010	Associate Professor, Clinic for Fixed and Removable Prosthodontics and Dental Material Science, University of Zurich (Chairman: Prof. Dr. C.H.F. Hammerle)

STIPENDS AND SCHOLARSHIPS

1999-2000	Post-doc Scholarship for advanced education in sciences German Academic Exchange Service (Deutscher Akademischer Austauschdienst, DAAD)
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MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS

International Association for Dental Research (IADR)

Swiss Society of Implantology (SGI)

Swiss Society for Reconstructive Dentistry (SSRD)

Swiss Society of Odontology (SSO)

International Team of Implantology (ITI) – Fellowship since August 2009; Member of the Swiss
Leadership Team (Study Club Coordinator) since 2010

European Association for Osseointegration (EAO) – Scientific Committee Member for the EAO
Consensus Conference 2012

SERVICE TO SCIENTIFIC JOURNALS

2006 – present	The European Journal of Esthetic Dentistry (Editorial board)
2007 – present	The European Journal of Oral Sciences (reviewer)
2008 – present	Quintessence International (reviewer)
2008 – present	The International Journal of Oral and Maxillofacial Implants (reviewer)
2009 – present	Clinical Oral Implants Research (Editorial board)

PERSONAL HONORS AND AWARDS

2002	Second best poster, entitled „2- and 3-year results of zirconia posterior fixed partial dentures, made by direct ceramic machining (DCM).“ Swiss Society for Biomaterials (SBB), Geneva
2005	Best poster, entitled „Einfluss des Wurzelstiftmaterials auf Farbveränderungen von Zahnwurzel, Stiftaufbau und Krone.“ Werkstoffkunde Symposium, Basel

SUPERVISION OF ACADEMICS/COMPLETED DISSERTATIONS

2007	Sabine Ebler	Marginale und interne Passgenauigkeit computergestützt gefertigter vollkeramischer Brückengerüste.
2007	Dominik Büchi	Marginal and internal fit of CAD/CAM milled anterior zirconia partial dentures.
2007	Thomas Sailer	Bruchfestigkeit von Zirkonoxid-Abutments mit internen und externen Implantat-Abutmentverbindungen.
2007	Esther Sebestyén	Langzeitresultate vollkeramischer Inlays und Onlays.
2008	Sandro Tettamanti	In-vitro study of the influence of various dentin sealing and desensitizing methods on the shear bond strength of two universal resin cements.
2009	Alexander Philipp	Novel ceria-stabilized tetragonal zirconia/alumina nanocomposite as framework material for posterior fixed dental prostheses. Preliminary results of a prospective case series at 1 year of function.
2009	Natalia Gomez Blanco	Laboratory study of the fracture strength and fracture mode of human incisors restored with different post-and-core build-ups and glass-ceramic crowns.
2009	Andrea Hernandez Oendra	Influence of dentin sealing or desensitizing on the shear bond strength of different types of resin cements.

INVITED LECTURES AND PRESENTATIONS

2001

November	"Die Klinik KBTM stellt sich vor." VESZIZ (Alumni Organization of the School of Dental Medicine, University of Zurich), Zurich, Switzerland
<u>2002</u>	
Mai	„2-, respektive 3-jahres Nachuntersuchung von Zirkonoxid-Seitenzahnbrücken, hergestellt mit dem DCM-System. Annual Congress Deutsche Gesellschaft für Zahnärztliche Prothetik und Werkstoffkunde (DGZPW), Dresden, Germany
September	"Zirkoniumoxid. Klinische Studien" Annual Congress of the Swiss Society for Reconstructive Dentistry (SSRD), Lucerne, Switzerland
<u>2003</u>	
February	„Zirkoniumoxid-der Werkstoff und seine klinische Anwendung.“ Dental Team Schiebeler course, Hamburg, Germany
March	„Seitenzahnbrücken aus Vollkeramik-praxistaugliche Alternative.“ Dental Team Immler-Sieber course, Berne, Switzerland
November	"Der Frontzahnverlust – Möglichkeiten und Grenzen konventionell prothetischer Rekonstruktionen." ZZMK Update, University of Zurich, Switzerland
<u>2004</u>	
July	“Zirkonoxid. Grundlagen und Klinik.” Dental Society CW 85 meeting, Switzerland
September	“Zahnfarbene Stifte” Annual Congress of the SSRD, Zurich, Switzerland
November	“Zirkonoxid. Grundlagen und Klinik.” Dental Society DCL meeting, Switzerland
November	“Individuelle Abutments” Continuing Education NB, Zurich, Switzerland
December	“Vollkeramische Abutments-Möglichkeiten ohne Grenzen?” Basler Werkstoffkunde Symposium, Switzerland
December	“Zirkonoxid, heutige Möglichkeiten und Grenzen- Jahresrückblick 2004”, Zahnmedizinische Fortbildung Zürichsee, Zurich, Switzerland
<u>2005</u>	
February	„Zirkonoxid in der Zahnmedizin“ Zahnärztfortbildung Rosenberg, Zurich, Switzerland
March	„Skelettale Kl. III – prothetische Möglichkeiten und Grenzen.“ Annual Congress Swiss Association of Oral Surgery and Mouth Diseases (SAKM), Zurich, Switzerland
March	„Zirkonoxid in der Zahnmedizin.“ Zahnärztfortbildung Rosenberg, Berne, Switzerland
April	„Vollkeramische Rekonstruktionen.“ Continuing Education SC, University of Zurich, Switzerland
May	„Metallkeramik vs. Vollkeramik.“ Dental Society of the Canton Graubünden, Switzerland
June	“Metallkeramik vs. Vollkeramik.” Interdisziplinäre Fortbildungswoche, Swiss Society of Dentistry (SSO), Basel, Switzerland
June	„Neue Keramiksysteme für die Kronen- und Brückenprothetik.“ Continuing Education PPK University of Zurich, Switzerland
September	„Neue Keramiken – Zirkonoxid.“ Conferenza Tecnici Associati ALPDS/ASO e Medici Dentisti STMD, Lugano, Switzerland
October	“Prothetische Rekonstruktionen – Implantate bei Parodontitispatienten” Annual Congress Swiss Society of Periodontology (SSP), Zurich, Switzerland
October	„Moderne Implantatprothetik – Metallkeramik vs. Vollkeramik.“ Continuing Education NB, Zurich, Switzerland

November	„Zirkonoxidgerüste – Passung und Verblendung.“ Continuing Education SCZR University of Zurich, Switzerland
November	„Vollkeramik auf Implantaten“ Basler Werkstoffkunde Symposium, Switzerland
<u>2006</u>	
April	„Die Vollkeramikversorgung im Vergleich zur VMK-Brücke.“ Congress of the Swiss and German Prosthodontic Societies SSRD and DGZPW, Basel, Switzerland
June	„Individuelle Implantatabutments: Indikationen, Varianten, Herstellung.“ Continuing Education, Clinic for Prosthodontics, University of Freiburg, Germany
September	„Vollkeramik auf Implantaten-Pro und Kontra.“ 6. German ITI Congress, Cologne, Germany
September	„Zirconia-Esthetic possibilities and limitations.“ International Scientific Congress, Liechtenstein
September	Round Table Discussion: „How much bond strength do we need?“ International Scientific Congress, Schaan, Liechtenstein
October	Chairperson at the Session „Navigation and Implantation Guides.“ Annual Congress of the European Association for Osseointegration (EAO), Zurich, Switzerland
November	„Tooth versus Implant.“ Klinische Avond Pro-Cam Implants B.V., Amsterdam, Netherlands
November	„Neue Keramiken“ SSO Section Urschweiz, Schwyz, Switzerland
November	„Vollkeramische Rekonstruktionen – von der Indikation bis zur Insertion.“ Continuing Education SC, Kloten, Switzerland
December	„Moderne Befestigungsmaterialien- das klinische Vorgehen.“ Werkstoffkunde-Symposium, Zurich, Switzerland
<u>2007</u>	
January	„Frontzahnästhetik mit vollkeramischen Versorgung.“ 54. Winterfortbildungskongress of the Zahnärztekammer Niedersachsen, Braunlage, Germany
March	„Aktuelles in der Kronen- und Brückenprothetik.“ Continuing Education Study'94 Lugano, Switzerland
July	„Tooth- and implant-supported all-ceramic reconstructions. Clinical results and scientific approach in Zurich.“ Continuing education New York University College of Dentistry, New York, USA
September	„Clinical problems with zirconia reconstructions. Understanding and solution – the material scientific approach.“ Interdisciplinary Continuing Education New York University College of Dentistry, New York, USA
September	„Tooth- and implant-supported all-ceramic reconstructions. Clinical results and scientific approach in Zurich.“ Continuing education University of Pennsylvania, School of Dental Medicine, USA
October	„Abutment characteristics influencing the result of the rehabilitation.“ Annual Congress of the European Association for Osseointegration (EAO), Barcelona, Spain
November	„Keramik in der Implantologie-State of the Art.“ Annual Congress Neue Gruppe, Hannover, Germany
November	„Indikation, Ästhetik und Zukunftsaspekte adhäsiv befestigter Keramiken.“ Annual Congress AG Keramik, Düsseldorf, Germany
November	„Ästhetik: Lachen wie Tina Turner.“ Annual Congress Schweizerischer Verband für Dentalassistentinnen (SVDA), Olten, Switzerland
November	„Keramische Abutments auf Implantaten“ Facts and Fictions, Zurich, Switzerland
December	„Zirkonoxid- Neues und Bewährtes- Jahresrückblick 2007“, Zahnmedizinische Fortbildung Zürichsee, Zurich, Switzerland
<u>2008</u>	

January	“Zementierung: Tipps und Tricks für den Zahntechniker.” Annual Meeting ASMO, Berne, Switzerland
February	“All-ceramic Reconstructions. Possibilities and limitations.” II. Simposio nazionale CAD/CAM, Bologna, Italy
March	“Festsitzende Adhäsivprothetik.” Colloquium Züricher Zahnärzte Gesellschaft (ZGZ), Zurich, Switzerland
March	“Klebebrücken aus Zirkonoxid.” Continuing Education Study ARP, Switzerland
May	“Keramik- Fluch oder Segen?” 7. Implantologie-Symposium, Bad Wörishofen, Germany
June	“Vollkeramik- Indikationen und Limitationen.” Annual Workshop of the European Dental Association (EDA), Riva del Garda, Italy
July	“Zirconia-based restorations: successes, failures and clinical recommendations.” Scientific Symposium at the IADR Toronto, Canada
September	“From decision criteria to successful treatment outcome-the choice of procedure and material.” Straumann-Symposium at the Annual Congress of the EAO, Warsaw, Poland
October	“Aesthetic reconstructions with zirconia frameworks.” Annual Scientific Meeting of the British Academy of Aesthetic Dentistry (BAAD), Great Britain
October	“From extraction to insertion of the implant reconstruction.” The Iceman Congress, Reykjavik, Iceland
<u>2009</u>	
February	Rapporteur in Working Group I “Ceramics in Implant Dentistry” at the II. Consensus Conference of the European Association of Osseointegration (EAO), February 19 th – 22 nd , Pfäffikon, Switzerland
March	“Vollkeramische Implantatrekonstruktionen- Möglichkeiten und Grenzen moderner Keramiken.” 2. Freiburger Implantatsymposium, Freiburg, Germany “Zirconia-based restorations: Update on clinical studies and material science.” Interdisciplinary Continuing Education, New York University College of Dentistry, New York, USA “All-ceramic and metal-alloy implant abutments: Scientific results and clinical approach at the University of Zurich.” Continuing education University of Pennsylvania, School of Dental Medicine, USA
April	„Kann CAD/CAM das Pressen und Schichten von Keramik ersetzen?“ 2. Vollkeramik Symposium, Kempten, Germany
May	„Decision tree in esthetic implant restoration using CAD/CAM technology“ 2nd Pacific Osseointegration Conference, Tokyo, Japan
September	“Zirconia based implant reconstructions – current findings and indications” Quintessence Congress “20 years of osseointegration in Brazil”, Sao Paulo, Brasil “Zirconia and metal based fixed partial dentures in daily practice”, Ced IADR, München
<u>2010</u>	
January	Zirconia in dentistry, limitations and advantages; IDF alpine conference, Courchevel
January	Minimalinvasive Rekonstruktion, Was ist heute mit Keramiken möglich; Der Gutowski Kongress 2010; Munich
March	Full ceramic solutions and related ST management; ITI Kongress, Paris
April	The Art and Science of Modern Dental Ceramics; Ceramics Symposium ARC, New York
October	Klinische Langzeitresultate von CAD/CAM Rekonstruktionen; SSRD Jahrestagung,

	Bern
October	Provisionalisation in implant dentistry / Choice of abutments, 19th EAO Annual Congress, Glasgow
November	Clinical Implications of Biomaterials Research in High Strength Ceramics, American College of Prosthodontists Annual, Scientific Session, Orlando
November	Vollkeramische Rekonstruktionen – minimale Invasivität für maximale Ästhetik / Vollkeramische Brücken im Front- und Seitenzahnbereich- Realität oder Mythos? DGÄZ Jahrestagung, Rottach-Egern
<u>2011</u>	
January	Vollkeramische Rekonstruktionen, Ueli Konter, Hamburg
February	Black hole disease: Kronen, Parodontologie Kurs, Davos
March	Clinical Long-Term Experiences of All-Ceramic Restorations – Benefits and Limitations, 8th Annual Aesthetic Symposium, New York
April	Vollkeramische Restaurationen-Teil1-2, Ostersymposium, Malta
May	Halten Rekonstruktionen aus moderner Werkstoffen, was die Industrie verspricht? DGPRO, Hamburg Implantatprothetik 2011 Zürich - (analog oder digital), 11. Tagung des Landesverband Bayern der DGI, Ulm
June	Impression Making, EAED, Istanbul Können Zirkondioxid Implantate die klinische Bewährten Titan-Implante ersetzen? ZGZ Montagskolloquien, Zürich Full ceramic solutions and related soft Tissue management, ITI Kongress 2011 , Amsterdam All Ceramic reconstructions Seminar, London
September	Können Zirkondioxid Implantate die klinische Bewährten Titan-Implante ersetzen? ZGZ Montagskolloquien, Zürich Aktuelle Trend in der Rekonstruktiven Zahnmedizin: Computergestützte und konventionelle Technologien, Expert Meeting, Wolfsburg Choice of abutment, Swedish Society for Prosthodontics, Tylösand
October	Implant prosthetics – customized vs. standardized solutions, Dr. Gerard Zuck, Aix Maintaining Long-Term Implant Outcomes, EAO Athen Comprehensive Treatment in Implantology, One Day Seminar Astra, Mölndal Optische Abformung und digitaler Workshop, ITI Study Club, Rapperswil Digitale Abformung – Möglichkeiten und Grenzen eines neuen Workflows, Neue Gruppe, Zürich
November	Contemporary clinical concepts in implant dentistry applying computer-aided technology, Straumann Kongress, Prag Die digital Prozesskette- Guided Surgery, Intraorales Scannen, CAD/CAM, DGI, Dresden
December	Ceramic reconstructions-Possibilities and limitations of digital manufacturing workflows, Greater New York Academy of Prosthodontics, New York Vollkeramische Rekonstruktion-Aktuelle Standortbestimmung aus der Sicht des ZAZ & Technikers, Professor Weingart, Stuttgart

ABSTRACT PRESENTATIONS AT SCIENTIFIC CONGRESSES

2002

March „4-year clinical results of an experimental zirconia abutment.“
General Session of the International Association for Dental Research (IADR), San Diego, USA

2003

June "3-year clinical results of posterior fixed partial dentures made by DCM."
IADR Gothenburg, Sweden

2007

March "Color match of crowns with zirconia and metal frameworks." IADR New Orleans, USA

TEACHING EXPERIENCE IN UNDER- AND POSTGRADUATE EDUCATION

2003 – 2006 University lecturer and responsible (Kursleiter) of the pre-clinical undergraduate course in fixed prosthodontics (6 hours a week for both semesters each year)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1058

2003 – 2006 University lecturer of planning and therapy of fixed reconstructions for undergraduate students (2 hours a week for both semesters each year)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1056

2006 University lecturer and responsible (Kursleiter) of the clinical undergraduate course in fixed prosthodontics (8 hours a week for one semester)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1167

2006 – present University lecturer of dental occlusion and function for undergraduate students (3 hours a week for one semester per year)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1127, 1135

2006 – present University lecturer of implant therapy for undergraduate students (2 hours in one semester per year)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1163

2003 – present Postgraduate training in a program for specialization in reconstructive dentistry including fixed prosthodontics, implantology and hard- and soft tissue regeneration (5 hours a week for the entire year)
Vorlesungsverzeichnis der Universität Zürich: Nr. 1061

TEACHING EXPERIENCE IN CONTINUING EDUCATION COURSES

Lecturer / Clinical Instructor

1999

October "Kronen-Brückenprothetik und Implantologie."
1 week CE course of the Swiss Society of Odontology (SSO), Flims, Switzerland

2000

March "Kronen-Brückenprothetik und Implantologie."
2 weeks CE course of the Swiss Society of Odontology (SSO), St. Moritz, Switzerland

2005

April	„Vollkeramische Rekonstruktionen“ 1 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
May	„Vorbereitende Diagnostik bis und mit Try-in Wax-up aus zahntechnischer Sicht.“ 2 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
October	"Kronen-Brückenprothetik und Implantologie." 1 week CE course of the Swiss Society of Odontology (SSO), Flims, Switzerland
<u>2006</u>	
March	"Kronen-Brückenprothetik und Implantologie." 1 week CE course of the Swiss Society of Odontology (SSO), St. Moritz, Switzerland
August	„Comprehensive implant treatment.“ Continuing Education for the Nakamura Japanese Study Group, University of Zurich, Switzerland
<u>2007</u>	
October	„Vollkeramische Rekonstruktionen. Teil 1: Kronen- und Veneerpräparation.“ 1 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
November	„Vollkeramische Rekonstruktionen. Teil 2: Adhäsive Befestigung.“ 1 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
<u>2008</u>	
June	“Prothetik und Implantologie. Aktuelle Schwerpunkte” 1 week CE course, Clinic for Fixed and Removable Prosthodontics, Pontresina, Switzerland
June	“Von der Zahnextraktion bis zur Kroneninsertion- Erfolgsstrategien in der Implantologie als Team Approach.” 1 day CE course, Gnathologischer Arbeitskreis (GAK), Stuttgart, Germany
July	“The Icelandic Week. New course with focus on modern evidence based reconstructive dentistry using oral implants.” 1 day CE course, Reykjavik, Iceland
October	„Vollkeramische Rekonstruktionen. Teil1: Kronen- und Veneerpräparation.“ 1 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
November	„Vollkeramische Rekonstruktionen. Teil 2: Adhäsive Befestigung.“ 1 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
<u>2009</u>	
April	“Von der Zahnextraktion bis zur Kroneninsertion- Erfolgsstrategien in der Implantologie als Team Approach.” 2 day CE course, Neue Gruppe Seminar, Münster, Germany
July	“The Icelandic Week. New course with focus on modern evidence based reconstructive dentistry using oral implants.” 1 day CE course, Reykjavik, Iceland
<u>2010</u>	
January	“ Advanced course in implant dentistry” Straumann Italy 3 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
June	“Prothetik und Implantologie. Aktuelle Schwerpunkte” 1 week CE course, Clinic for Fixed and Removable Prosthodontics, Pontresina, Switzerland

September	“ Advanced course in implant dentistry”AstraTech 3 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
<u>2011</u>	
July	“The Icelandic Week- A Master Course in Modern Evidence Based Implant Dentistry focusing on both surgical and prosthetic aspects
August	“ Advanced course in implant dentistry” Straumann Japan 3 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland
September	“Fortgeschrittene Implantatbehandlungen” Straumann Deutschland 3 day CE course, Center for Dental and Oral Medicine, University of Zurich, Switzerland

Research Fundings

<u>2002</u>	"Randomized controlled clinical trial of zirconia-ceramic and metal-ceramic fixed dental prostheses." Research funding by DeguDent, Germany Principal Investigator: Irena Sailer Co-Investigators: Christoph Hämmerle	CHF	250'000.-
<u>2007</u>	„Clinical study of the color stability of crowns with zirconia, glass-ceramic and metal frameworks.“ Research funding by Ivoclar Vivadent, Switzerland Principal Investigator: Irena Sailer Co-Investigators: Christoph Hämmerle	CHF	50'485.-
<u>2008</u>	5- to 8- year continuation of the study "Randomized controlled clinical trial of zirconia-ceramic and metal-ceramic fixed dental prostheses." Research funding by DeguDent, Germany Principal Investigator: Irena Sailer Co-Investigators: Christoph Hämmerle	CHF	76'470.-
<u>2008</u>	„ Clinical study of novel ceria-zirconia nanocomposite frameworks for fixed dental prostheses.” Research funding by Panasonic Dental, Japan Principal Investigator: Irena Sailer and Alexander Philipp Co-Investigators: Jens Fischer, Bogna Stawarczyk, Christoph Hämmerle	Euro	9'700.-
<u>2008</u>	“In-vitro Prüfung von EUP-Silan an ZrO ₂ - und Glaskeramik.” Research funding by Ivoclar Vivadent, Switzerland Principal Investigator: Irena Sailer and Bogna Stawarczyk Co-Investigators: Christoph Hämmerle	CHF	9'064.-
<u>2008</u>	“Abrasionsbeständigkeit von provisorischen Kunststoffen und experimentellen Softkeramiken.” Research funding by Merz Dental, Germany	CHF	40'700.-

Principal Investigator: Bogna Stawarczyk
Co-Investigators: Irena Sailer, Christoph Hämmerle

<u>2010</u>	“Colored ceramic surfaces for metallic dental implants and prosthetic appliances” Research funding by CCMX grant (Thematic area: Engineered Biomaterials – Tissue interfaces and Medical implants & Devices) Principal Investigator: Ralph Spolenak, ETHZ Co-Investigators: Irena Sailer ZZM, Katharina Maniura EMPA, Mutlu Özcan ZZM	CHF	675.000
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Patents

<u>2008</u>	Name:	Metallic dental implants and prosthetic appliances having colored ceramic surfaces.
	Patentholders:	Irena Sailer, John L Ricci
	Application No.:	1049-1-113 P
	Abstract:	The present invention provides a dental, oral or maxillofacial implant, implant component and any other prosthetic appliance having an oxide ceramic coating on a metal surface. The oxide ceramic coating is preferably colored similar to the color of the surrounding tissues (e.g. similar to the color of bone, teeth or of mucosa). The oxide ceramic coating may comprise any oxidizable metal. Preferably, the oxide ceramic coating comprises zirconium or a zirconium alloy. The invention also provides a method of making dental, oral or maxillofacial implant, implant component or a prosthetic device by oxidizing the surface of the metal, as well as the products made thereby.