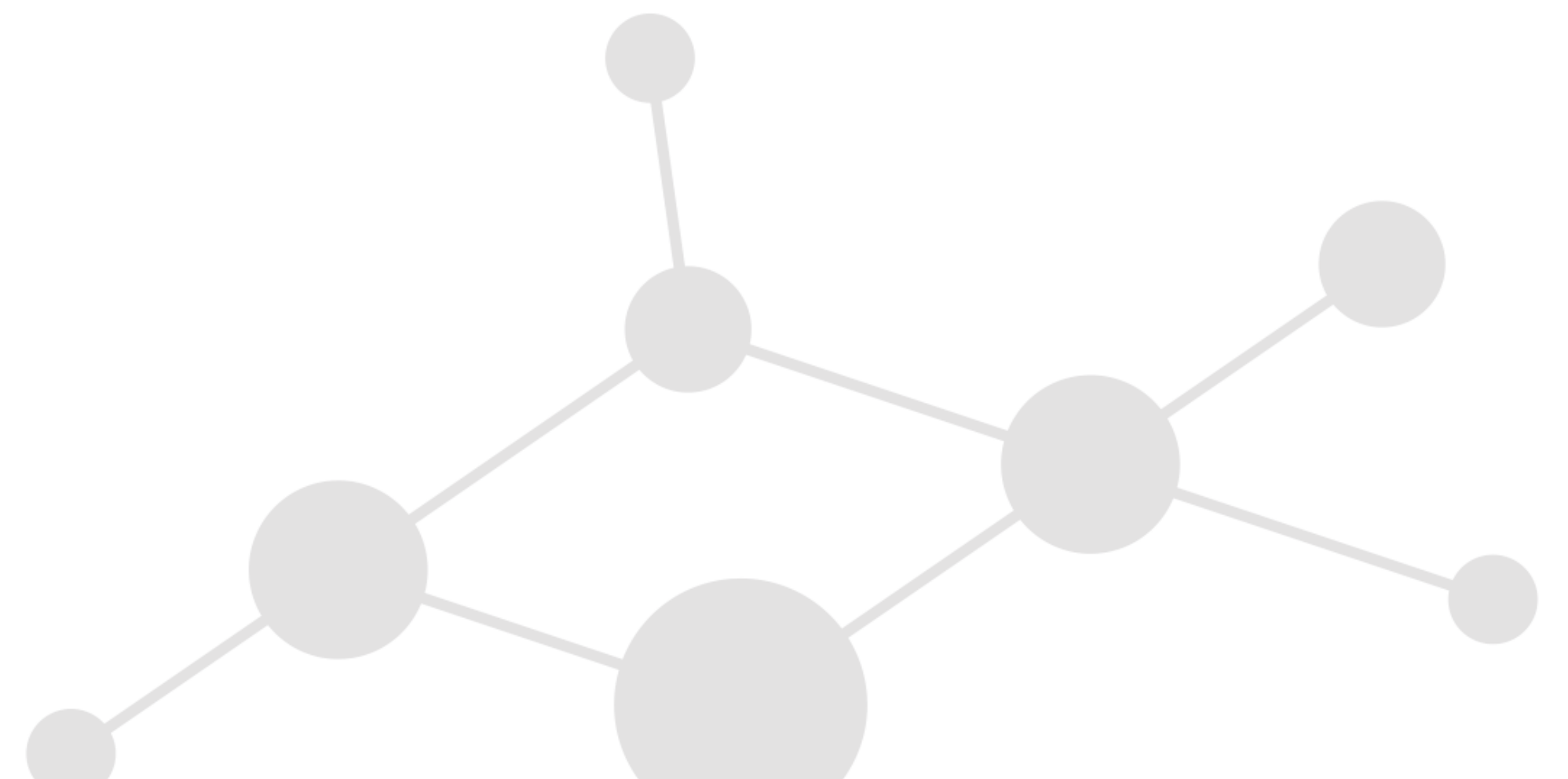


PRO SECC

Progress in Science
and Education
with Ceramics



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Progress in Science
and Education
with Ceramics

PROSEC North America Founding Meeting

February 20th 2020, Chicago, IL, USA



Embassy Suites by Hilton

Downtown Magnificent Mile, Chicago, IL, USA

Welcome!

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Prof. Dr. Dr. h.c. Jörg R. Strub
Chairman of the PROSEC Scientific Board

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PROSEC - Introduction

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PROSEC gGmbH is a network of specialists for science and education in oral implantology and dental restorations with ceramics or alternative non-metallic materials.





PROSEC Partner Meeting 2017

Metal-free implantology and prosthodontics: from vision to reality

PROSEC has been established as an interdisciplinary, multi-professional, and independent network of experts dedicated to research and education in the field of ceramic and/or metal-free dental implantology and prosthodontics.

Our network is intended to appeal to all individuals active in these areas – researchers, dentists, and dental technicians, in settings ranging from large clinics to private practices and dental laboratories.

Metal-free implantology and prosthodontics: from vision to reality

As an independent, non-profit limited liability organization (German: gGmbH), PROSEC has established a clear supervisory structure, with a Scientific Board coordinating and supporting its activities.

PROSEC Partners contribute their scientific and practical experience using all-ceramic and/or metal-free rehabilitations across a spectrum of four interdisciplinary and interprofessional working groups.

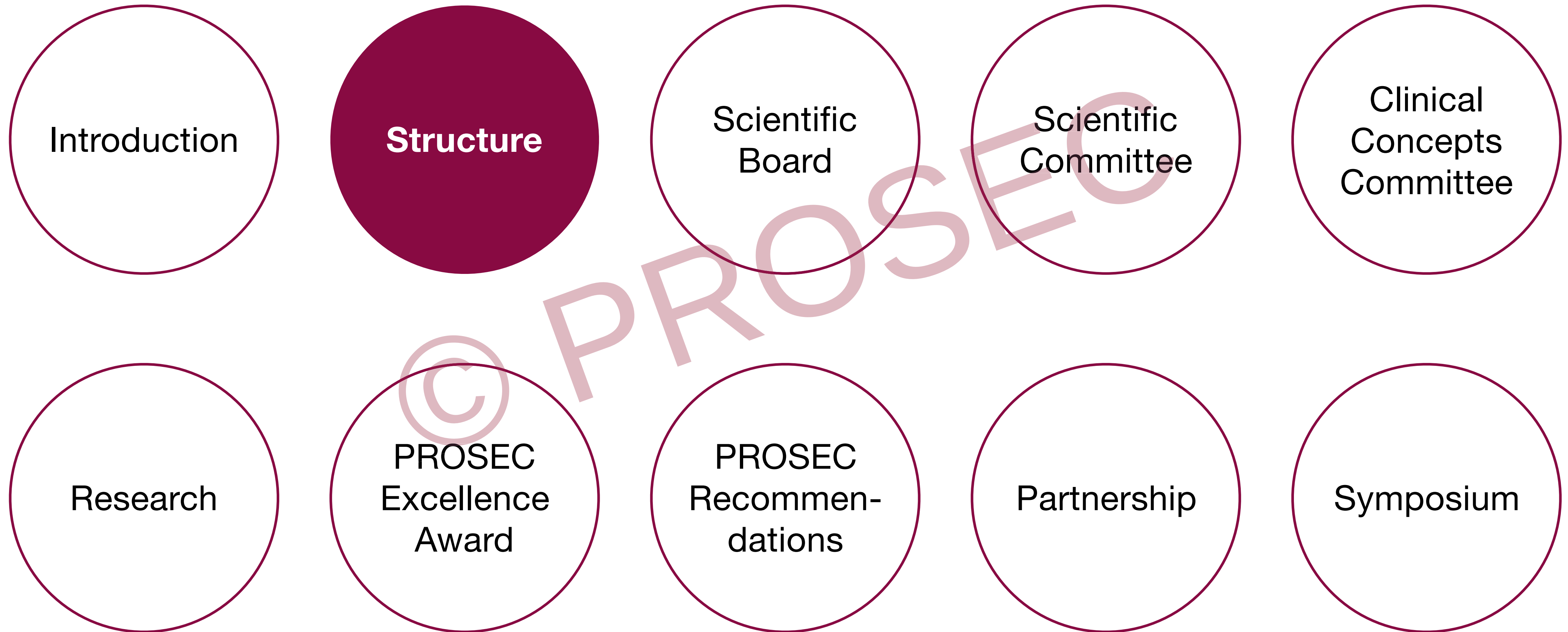
Metal-free implantology and prosthodontics: from vision to reality

The result is a fruitful scientific exchange and the systematic contribution of fundamental scientific insights, which will greatly benefit the field of ceramic implantology in particular. PROSEC's activities include supporting scientific studies and hosting further education opportunities for professionals.



Prof. Dr. Dr. h.c. Jörg R. Strub

Chairman of the PROSEC Scientific Board



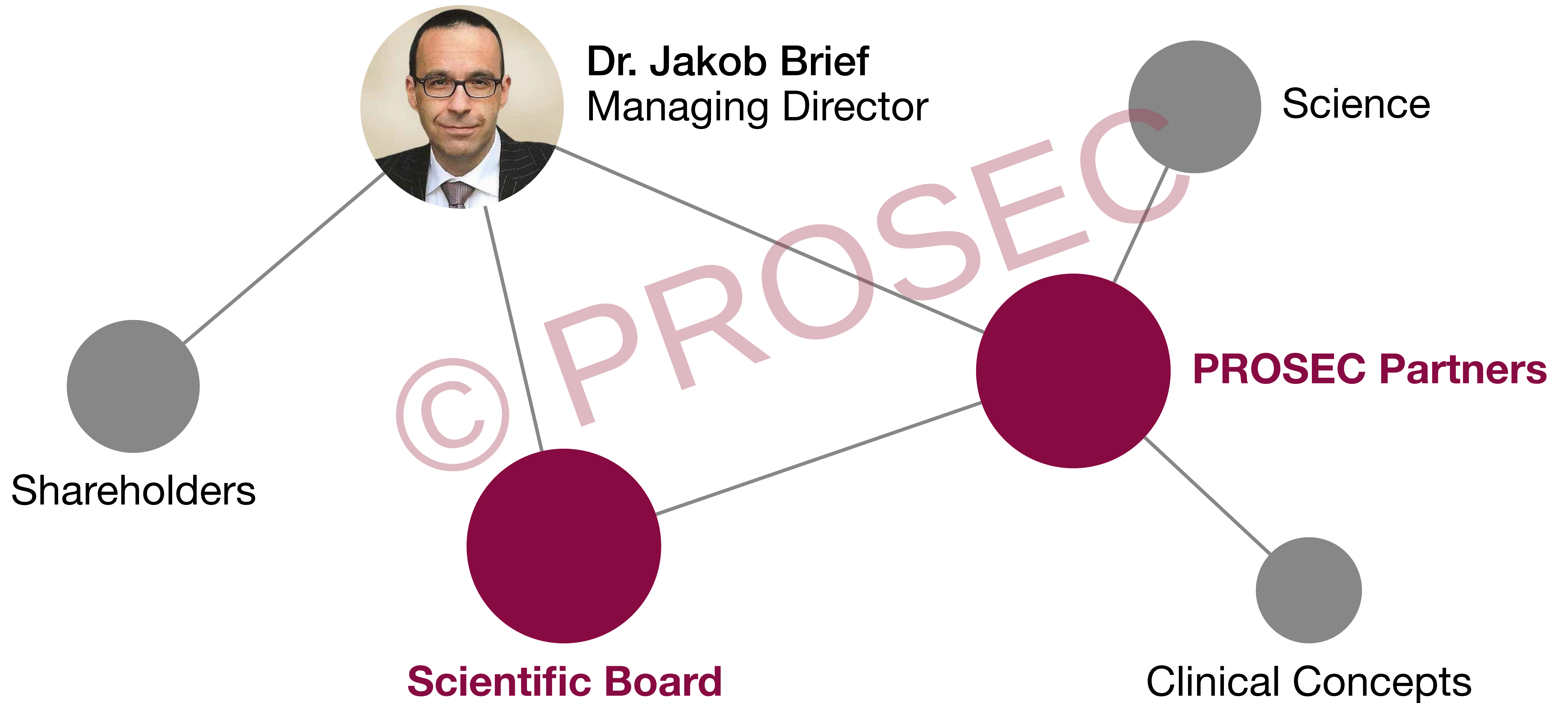
“On the topic of ceramic, metal-free treatment, both practitioners and patients require a systematic and scientifically sound reference, as well as access to expertise across a wide-range of specialized operators.

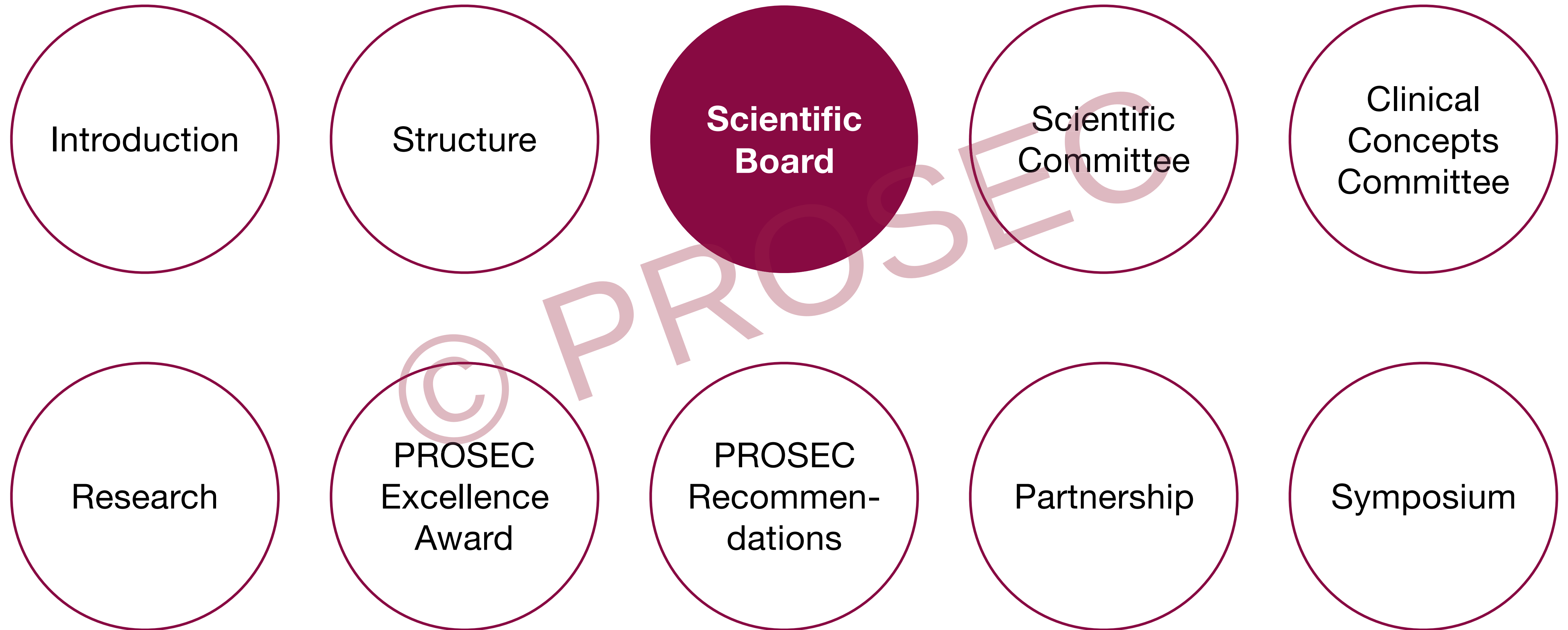
PROSEC, as a non-profit organization, addresses precisely this need. Education and research for the well-being of each patient is a keystone of our charitable, independent platform.”

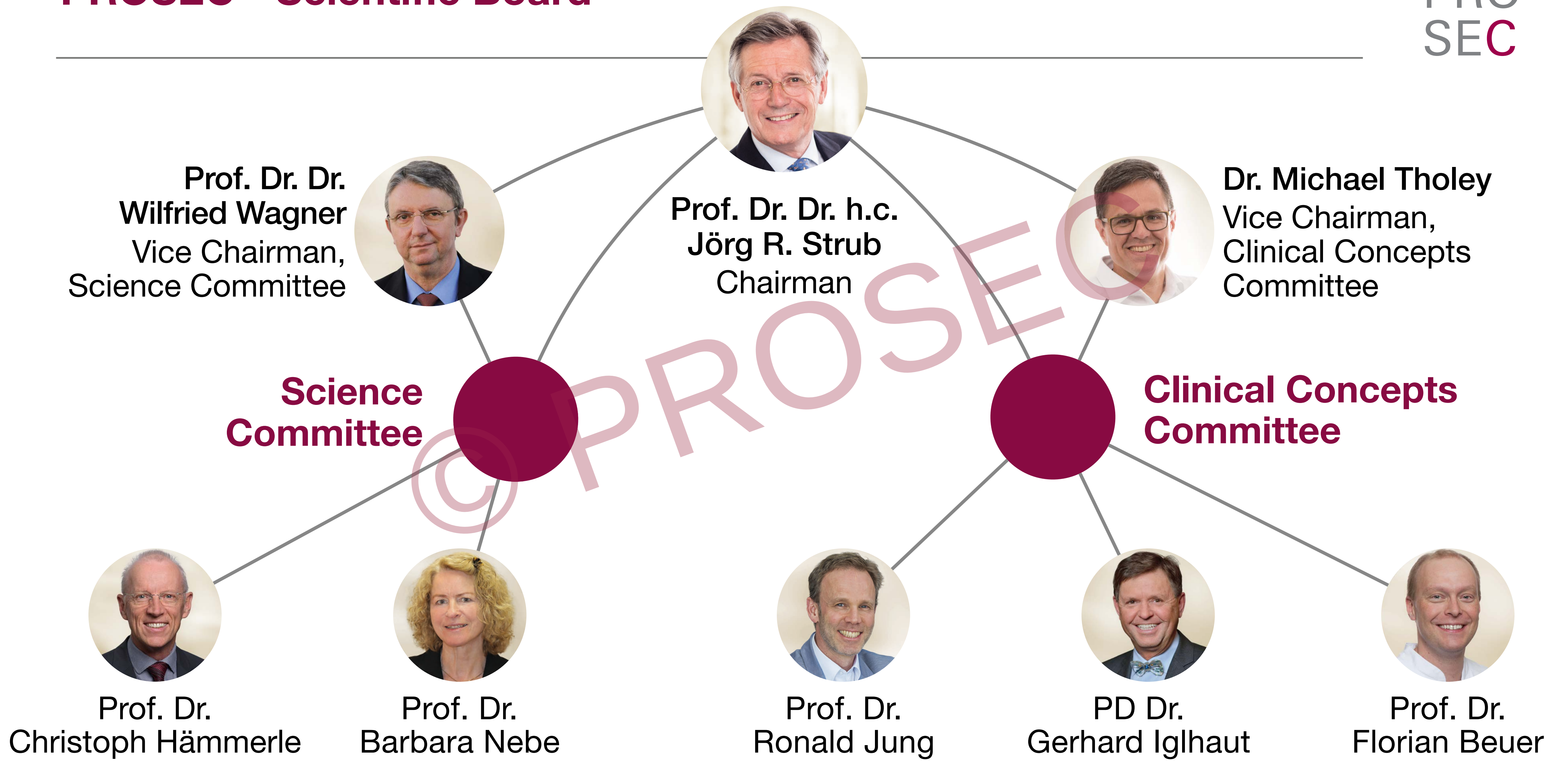


Dr. Jakob Brief

Managing Director, PROSEC gGmbH







“The multiplicity of ceramic implant options has vastly increased in recent years - but to me it seems not every novelty has been exhaustively tested in a clinical setting.

I recommend selecting ceramic implants with a sufficient and representative set of long-term studies supporting their use.”



Prof. Dr. Dr. Wilfried Wagner

Vice Chairman of the PROSEC Scientific Board,
Science Committee

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The Scientific Committee's responsibilities include the development of new quality standards in all-ceramic implantology across applications including implant design, 3D planning and implant insertion, combinations involving augmentation procedures, all-ceramic prosthetic rehabilitation, and risk-assessed follow-up.

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Further aspects, such as **function**, **esthetics**, **patient usage**, **biocompatibility**, **practice suitability**, **digital workflows** and **CAD/CAM** prosthetic production, will also be consistently monitored.

“Together with developing and perfecting ceramic implantology products and techniques, the greatest challenge is the systematic and scientifically sound clinical documentation of those efforts. PROSEC aims to provide a valuable contribution in precisely this aspect, to the benefit of both practitioners and patients.”



Prof. Dr. Christoph Hämmerle
Science Committee

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“Successful dentistry, like all other medical fields, is dependent on the availability of evidence-based studies. This requires constant, transparent, and independent research for improved solutions. With a particular focus on the holistic treatment of our patients, PROSEC’s support of this research bridges this existing gap.”



Prof. Dr. Ronald Jung
Clinical Concepts Committee



The **Clinical Concepts Committee** is devoted to the **practical education of practitioners, assistants, and dental technicians**, integrating clinical and technical procedures in step with the latest advances in **cutting-edge scientific foundations**.

“Dental treatment options have developed at a tremendous pace in recent decades. Digital workflows and new, more biocompatible materials must be incorporated together into an optimized holistic approach that works for both patients and practitioners. PROSEC offers a scientifically objective platform to keep up with such advances as they happen.”



Prof. Dr. Florian Beuer
Clinical Concepts Committee

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One major focus of the PROSEC specialist network is the **dissemination of evidence-based literature** and **support of research projects** involving ceramic implants and metal-free restorations.

To this end, PROSEC gGmbH awards grants following an annual application call for scientific studies supporting the excellence network's goals.

“Surface structure and chemistry are critical determinants of implant success. With respect to these parameters, there are significant differences across the spectrum of commercially available products, particularly as a consequence of various fabrication processes.”



Prof. Dr. Barbara Nebe
Science Committee

The **PROSEC Research Grant (PRG)** program was established to provide targeted **financial support** enabling independent research.

Basic research, **preclinical, and clinical studies** addressing the following topics are eligible for funding:

- Ceramic or metal-free restorations on implants and/or natural teeth
- Indications and application strategies for ceramic implants
- Various biological reactions, particularly of other non-metal materials relative to ceramics
- Biological, mechanical, and dental basic research of non-metal materials
- Patient-centered comparative outcome studies

Research projects can be assigned in the amount of the research budget.

The best PRG applications are selected regarding the following criteria:

- Relevance of the research project
- Relevance and authenticity of the hypothesis
- Scientific character of the methods
- Scientific experience of the applicant or the institution
- Relevance and relation to the products or technologies of the sponsors
- Detailed binding timeline and budget plan

Criteria of the individual research requests:

- Limited to a total of 100.000 €
- Maximum payment per year 50.000 €
- Maximum one request/scientist

Application principles:

- Form-based application and evaluation by the scientific board
- The awarding takes place at the beginning of the year after the PROSEC Partner Meeting (PPM)
- Project management including milestones regarding the processing and controlling by the scientific board

Scientific publication of the results:

- Submission to an English-speaking IF-Journal

Lecture:

- Submission to an international convention is desired

PROSEC internal presentation:

- Lecture at the PROSEC Partner Meeting or PROSEC congress after study has been completed
- Abstract or PDF of the publication on the PROSEC website



Every 3 years, the **PROSEC Research Award** is given in recognition of the most outstanding scientific achievement in a project supported by a **PROSEC Research Grant**.

The projects are screened by the scientific board and the best pre-clinical and/or clinical study will be selected.

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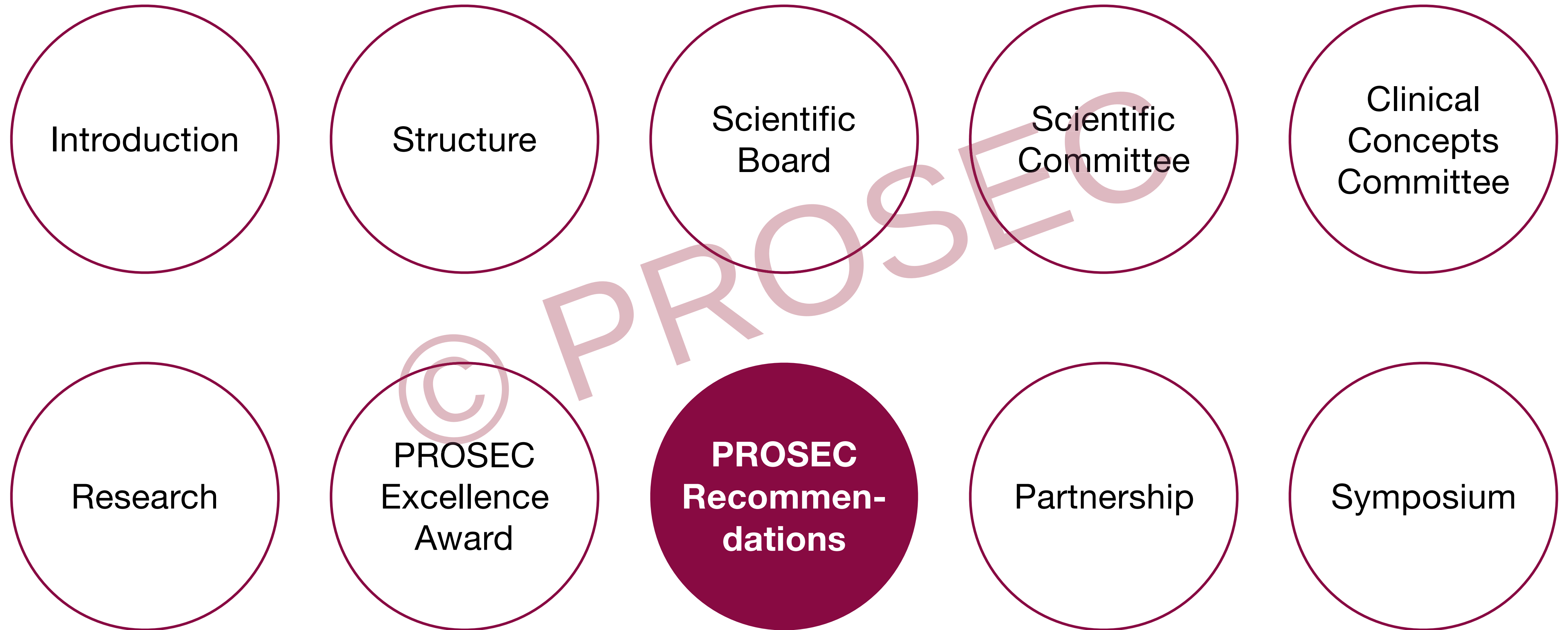


The PROSEC **Excellence Award** annually recognizes an outstanding contribution of clinical documentation implementing a ceramic implant treatment modality which is presented at the annual scientific PROSEC Partner Meeting.

The award is endowed with 3.000 €.



PROSEC Partner Meeting 2017



PROSEC Recommendations are established scientifically-based and approved interdisciplinary **scientific recommendations** and **clinical support** on clinical questions or implementation problems regarding the ceramic treatment which are currently occurring or could not be matched to a clear solution approach.

Aim of the PROSEC **Recommendations** is to develop evidence-based (best available) approved references regarding clinical studies, to be able to **support** patients, doctors, non-academic employees and scientists with reliable **clinical information**.





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Join PROSEC to partner with our worldwide scientific network of dedicated professionals in ceramic oral implantology and dental restorations.

- Open to all interested individuals: scientists, clinicians, dental technicians, etc.
- Membership following application to the **PROSEC Partner Program**
- Qualification assessment and acceptance decisions are made by the Scientific Board
- Membership to the **PROSEC Partner Network** does not expire, voluntary withdrawal possible at any time

“An increasing number of patients is now worried of titanium due to published data regarding its clinical biocompatibility. The result has been an explicit request from patients for metal-free treatment options. Therefore, the goal of PROSEC is to be able to recommend empirically supported all-ceramic implant solutions.”



PD Dr. Gerhard Iglhaut
Clinical Concepts Committee

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The annual PROSEC **Symposium** provides a compact yet insightful snapshot of surgical and prosthetic aspects related to all- ceramic implantology and metal-free restorations.

Renowned speakers from **research laboratories, clinical practices, and dental laboratories** are invited to share their expertise, progress, and latest discoveries and facts.

“We regularly disseminate the information gained within our network. A larger-scale exchange takes place annually in the form of the PROSEC Symposium. This educational event is an opportunity open to all interested individuals.”

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Dr. Michael Tholey

Vice Chairman of the PROSEC Scientific Board,
Clinical Concepts Committee

DIGITALE TECHNIKEN Vorteile

- Erhöhung der Qualität
- Erhöhung der Effizienz
- Qualitätsmanagement
- Renaissance und Neuentdeckung von Materialien

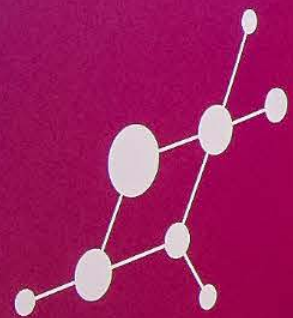
Beuer F et al: Br Dent J 2008; 204: 505 -511



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#prosecnetwork



Get in touch with us!

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Dr. Jakob Brief
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Thank you for your kind attention

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