50th Annual ORCA Congress 2003

General Information and Registration

The 50th ORCA Congress will be held in Konstanz, south-west Germany, where ORCA was founded in 1953, on July 2–6, 2003. As well as supporting its regular programme, ORCA will commemorate its 50th anniversary by holding a Symposium – ‘Cariology in the 21st Century: State of the Art and Future Perspectives’. This will aim to provide an update on the core issues of cariology, including diagnosis, prevention and management of the disease. A session will also be devoted to the problem of how to get research implemented into clinical practice.

Cariology in the 21st Century:
Preliminary Programme

Organizers: B. Nyvad, J.M. ten Cate, C. Robinson
For further information see www.orca-caries-research.org

General Introduction

Outline of the programme

Dental Caries – Past and Present

Clinical manifestations and treatment principles – from 1953 to global changes in the 20th century
Changes in dental caries since 1953

Caries Control in the 21st Century

Diagnosing lesions or disease activity?
Changing paradigms in disease concepts and consequences for dental health care planning
Diagnosis versus detection of caries
Diagnostic levels in dental public health planning

How to prevent the disease?
Role of the biofilm
From dental plaque to bacterial biofilms
Does oral hygiene matter?
Antimicrobials in future caries control?
A caries vaccine?
Role of fluoride
Fluorides in caries prevention and control – empiricism or science?
Systemic versus topical fluoride
How to improve the effectiveness of fluoride in caries preventive programmes
Fluoride and tooth development
Role of sugars and diet
Sugars – the arch criminal?
Sugar substitutes: What is the evidence for a caries therapeutic effect?
Role of saliva
How much saliva is enough?
Salivary enhancement therapies
Salivary proteins – protective and diagnostic value in cariology

How to manage the disease
Are we ready to move from operative to non-operative/preventive treatment?
How ‘clean’ must a cavity be before restoration?
The future role of a molecular approach to pulp-dentinal regeneration

Getting research into clinical practice

Getting research into clinical practice: barriers and solutions

The Symposium will be based on short presentations with maximum discussion time. Each presenter will be asked to review a certain field and also to come up with suggestions for future research. Session chairs will ensure structured discussions around designated themes. Presenters will be asked to provide extended abstracts for pre-circulation in order to facilitate active participation from the floor.

There will also be an exhibition (‘Fine Arts – The Exploration of Seeing’).
Please plan your attendance as soon as possible. Further information can be found on the ORCA homepage: http://www.ORCA-Caries-Research.org. Registration will be on-line through the same website. Organizer: Prof. Dr. Heinz Duschner, Johannes Gutenberg University, Medical Faculty, D–55101 Mainz, Germany (duschner@mail.uni-mainz.de).

Information for Presenters

The abstracts for presentation at the 50th ORCA Congress will be published prior to the meeting in issue 4 of Caries Research; this issue will be the only abstract book for the Congress.

Abstracts should be submitted before January 7, 2003. All abstracts will be reviewed by the Scientific Programme Committee. Authors will be notified of acceptance or rejection of their abstract early in February 2003 and may be asked to revise their abstract. Any such revisions must be submitted no later than Friday, February 21, 2003.

Presenters should note the following:
(1) The Congress focusses on research into dental caries and related topics.
(2) Abstracts must describe research that has not been published or presented already and has not been submitted to another meeting at the time of submission for the ORCA Congress.
(3) Authors may present only one paper at the Congress but may co-author other papers.
(4) Presenters who are not ORCA members should send with their abstract a supporting statement signed by a senior member of ORCA (‘sponsor’).
(5) Those who submit an abstract are committed to present the paper in person at the Congress. In the case of a non-member of ORCA, it is the sponsor’s responsibility that this requirement is met. Presenters should:
– ensure that they have the necessary funds to attend the Congress;
– apply for any necessary visas in good time, to ensure that they can travel to the Congress to present their paper;
– ensure that an abstract describing commercially funded research has been approved by the funding company before submitting it.
(6) Abstracts must be written exactly according to the instructions given below.
(7) Because of the special programme, all presentations in 2003 will be posters.

(8) Abstracts cannot be withdrawn after February 28, 2003. If an abstract is not withdrawn by that date and the paper is not presented, neither the named presenter nor the sponsor will be allowed to present any paper at the following ORCA Congress.

Instructions for Authors of Abstracts

(1) Abstract. The abstract should state: the aim of the work; the experimental approach; the main results; the conclusions. The results should include only key numerical and statistical data; do not attempt to report data exhaustively. The conclusions should be explicit; vague expressions such as ‘the results will be discussed’ could result in rejection of the abstract.

The title should be 15 words or less. Give authors’ names on a new line, with the presenting author’s name indicated by an asterisk and authors’ affiliations distinguished by superscript lower-case letters. On a new line, give the presenting author’s e-mail address, followed by the authors’ institutions (abbreviated). Example:

European Collaborative Study of Child Dental Health: Data for 5-Year-Olds
C.M. Pine*, A.-K. Bolinb
*e.m.pine@dundee.ac.uk; aUniversity of Dundee Dental School, UK; bKarolinska Institute, Stockholm, Sweden

The text should not exceed 280 words. This word limit will be strictly enforced. Use 12-pitch font and 1.5 spacing. Include references only when they are absolutely essential and follow the Caries Research format, but omitting the title and using ‘et al.’ for multiple-author works. Example: [Main C, et al.: J Oral Rehab 1983;10:307–313]. Tables, photographs, graphs and diagrams are not allowed. Give the names of any sponsors in the last line of the abstract.

(2) Additional Items. On a separate page provide, in order:
(a) the authors’ names, with the presenter’s name marked by an asterisk;
(b) the abstract title;
(c) a one-sentence summary not exceeding 25 words;
(d) name, full postal address, telephone number, fax number and e-mail address of the corresponding author;
(e) one or two of the following key phrases to assist in programming: Clinical studies; De- and re-mineralization; Dental plaque; Diagnostics; Diet; Epidemiology; Erosion; Fluoride; Hard tissues; Microbiology; Pulp-dentinal reactions; Risk assessment; Saliva and pellicle.
Abstract Submission. Preferably, submit your abstract in electronic form. A word-processor file (preferably MS Word), containing the abstract and additional information as outlined above, can be e-mailed to the Editor at r.p.shellis@bris.ac.uk or, alternatively, mailed on disk. If electronic submission is not possible, send printed copies of the abstract and additional items to Dr. R.P. Shellis, Division of Restorative Dentistry, Bristol University Dental School, Lower Maudlin Street, Bristol BS1 2LY, UK. Whichever method of submission is used, the abstract and additional information should arrive before Tuesday, January 7, 2003.

ORCA-Zsolnay Prize 2002

The ORCA-Zsolnay Prize for 2002 was awarded to Prof. John D.B. Featherstone, University of California, San Francisco (see photograph). Prof. Featherstone was commended by the President, Prof. Angmar-Månsson:

‘John Featherstone’s early work was on surface phenomena and apatite structure and defects in relation to the formation of caries lesions. He started to work on remineralisation more than 20 years ago and also focussed on carbonate in apatite. In the early eighties, he started research into laser effects on dental hard tissues with emphasis on caries prevention and early caries removal. This is his main topic today. His research work is characterised by broadness; he has published papers on hardness and microradiography, on lipids in enamel, plaque fluid, caries prevalence, anorexia nervosa, fluoride retention, light scattering. Besides this great variety, his work is characterised by a scientific thoroughness and a step-by-step analysis, leading to a full understanding of the process. He was one of the first to recognise that in the bio-optical conferences organised by the Society of Photo-Optical Engineering (SPIE) there was a rather large group who did dental and caries research without any contact with IADR or ORCA. Almost 20 years ago, he went to such a conference and made contacts which mutually led to more interaction and understanding. His example was later followed by others, and he now regularly organises annual conferences in the field. He has been an active member of ORCA for 25 years and has served on the Board for several years.’

The ORCA-Zsolnay prize consists of a piece of fine porcelain produced by the Zsolnay company, Pécs, Hungary.

ORCA-Zsolnay Prize 2003: Call for Nominations

Nominations are invited for the 2003 ORCA-Zsolnay Prize. This prestigious Prize, the only one awarded by ORCA, is given in recognition of outstanding contributions to the field of dental caries research. There are no restrictions on nominees with respect to age or seniority, and persons who have previously been nominated unsuccessfully can be re-nominated. The main qualification is a body of original published work in caries research, but this may be supported by a record of active promotion of caries research in other ways. Send a curriculum vitae of the person you wish to nominate, together with a brief statement of the reasons for nomination, to the Chair of the Prize Committee, Prof. W.M. Edgar, Castley Bank, Grayrigg, Kendal, Cumbria LA8 9ET, UK, by December 6, 2002, or nominate online at http://www.orca-caries-research.org.

ORCA Conference Travel Fellowships

These Fellowships will be available in 2003, to assist attendance at an ORCA Congress. Researchers in the field of caries or related subjects will be eligible, and preference will be given to workers from Eastern European or underprivileged countries. Each fellowship will have an approximate value of CHF 1,500 as a contribution to costs of attending the Congress.
The applicant should prepare either:
(1) an abstract of research results, prepared according to the ‘Instructions for Authors of Abstracts’ above; or
(2) a proposal for a research project to be carried out by the applicant. The proposal should have a clear aim and should describe the methods to be used. The project should be original work, to be executed in their own institute by the applicant and young co-workers. The research should potentially lead to a publication in an indexed journal.

Finally, the applicants should master English adequately because, if successful, they will discuss their proposal with experts at the congress.

The application should include: (1) the abstract of research results or the research proposal, whichever is applicable; (2) a curriculum vitae; (3) a letter of recommendation from a senior staff member at the home institution; (4) a description of their present position and current research work. It is strongly recommended that those who wish to apply ask advice as early as possible from the Working Group for Stimulation of Caries Research in Europe:

Prof. W. Klimm (University of Dresden, Conservative Dentistry, Fetscherstrasse 74, D–01307 Dresden, Germany, Fax +49 351 458 5381, E-Mail klimm@rcs.urz.tu-dresden.de);
Associate Prof. K. Ekstrand (Dental Faculty of Copenhagen, Nørre Alle 20, DK–2200 Copenhagen N, Denmark, Fax +45 35326505, E-Mail kim.ekstrand@odont.ku.dk);
Associate Prof. Z. Gintner (Semmelweis University Faculty of Dentistry, Nagyvarad ter 4, H–1089 Budapest, Hungary, Fax +36 24 470 247, E-Mail gintner@pluto.gamax.hu).

Applicants should submit their application to Prof. L. Stösser (Preventive Dentistry, University of Jena, Nordhäuser Strasse 78, D–99089 Erfurt, Germany, Fax +49 361 7411105, E-Mail stoesser@zmkh.ef.uni-jena.de) by December 2, 2002. Applicants who wish to present an abstract should also submit it to the Editor as outlined in ‘Instructions to Authors of Abstracts’.

The ORCA Consultancy Service

This service is available for research projects to be carried out in an East European or underprivileged country. The aims of the service are to provide help in the actual execution of research at an international level and, in doing so, to provide experience and contacts that will be useful for further research in their home country by the recipients of the consultancy.

The ORCA Consultancy Service will pay the following costs: (1) economy air fare for two or more trips by the consultant to the institute where the consultation will take place and a per diem for reasonable costs during the trips; (2) when appropriate, economy air fare for the recipient of the consultation to the institute of the consultant for a stay of the order of a few weeks related to the research project. A per diem for simple meals and lodging and small costs in the consultant’s city will then be included. The reimbursement will include neither direct research costs nor a salary for either the consultant or the recipient.

A request for an ORCA Consultancy should be submitted to the Secretary General, Prof. L. Stösser (Preventive Dentistry, University of Jena, Nordhäuser Strasse 78, D–99089 Erfurt, Germany, Fax +49 361 7411105, E-Mail stoesser@zmkh.ef.uni-jena.de). The request should include: (1) an outline of the proposed research; (2) the consultancy support required; (3) a budget for this support; (4) if desired, a suggestion for a consultant. Help in formulating this request can be obtained from the Working Group for Stimulation of Caries Research in Europe, whose addresses appear under ‘ORCA Conference Travel Fellowships’ above.

Having obtained advice from the ORCA Working Group for Stimulation of Caries Research in Europe, the Secretary General and the Vice-President will appoint an ad hoc committee of two expert members to assess: (1) the rationale of the research objective, its scientific value and its value for the recipient’s institute; (2) the proposed methodology; (3) the feasibility of publishing the results in an international journal; (4) the appropriateness and feasibility of the support requested; (5) the appropriateness of the budget; (6) the suitability of the proposed consultant, if any is proposed.

A discussion with the potential recipient of the consultation and with an eventually named consultant may be part of the procedure, when possible at no extra cost, e.g. at an ORCA congress. However, such discussion is not a condition. The Committee will then forward the (amended) proposal to the Board for approval.

ORCA Summer School in Brazil, May 2–5, 2004

The aim of this Summer School will be to stimulate caries research in Brazil and to promote contacts between ORCA members and Brazilian scientists. The organizers are Dr. Denise Côrtes and the Working Group for Stimulation of Caries Research in Europe. Six ORCA lecturers will support this Summer School.