

O13-4: Capacity building initiatives, training and education: The EMbaRC experience and beyond

André Antunes^a, Cledir Santos^a, David Smith^b, Nelson Lima^a

^a*IBB-Institute for Biotechnology and Bioengineering, Centre of Biological Engineering, Micoteca da Universidade do Minho, University of Minho, Braga, Portugal.*

^b*CABI, Egham, Surrey, TW20 9TY, UK.*

E-mail: nelson@ie.uminho.pt

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Culture Collections have a long tradition in capacity building and in training people that directly, or indirectly, are interested in microbial taxonomy and in microbial preservation and management. Academic (PhD and Master), advanced as well as bespoke courses on related topics in this field are regarded of true added value for the educational and microbial research community in Europe. In addition, only with modern and appealing approaches we can reverse the strong decline in numbers of trained microbial taxonomists in Europe that has been observed over the last decades.

The European Consortium of Microbial Resources Centres (EMbaRC) project (EU Seventh Framework Programme Research Infrastructures (INFRA-2008-1.1.2.9: Biological Resources Centres (BRCs) for microorganisms Grant agreement number: FP7- 228310 - www.embarc.eu) compiled information about the training programmes offered by the consortium partners. Gaps in microbial resource management training and potential synergies were identified and a proposal was made with the aim of establishing an educational community to create a knowledge-based training network and implement lifelong educational and continuing professional development (CPD) courses for people working within microbial resources centres. The EMbaRC partner training courses involved both theoretical and wet laboratory experiences in microbiology not only covering elements of taxonomy and identification of microorganisms but also isolation, characterization, preservation and use of microbial resources. To support these actions e-learning materials for training activities were designed and developed.

The EMbaRC project experience will be continued in the current EU-project Microbial Resource Research Infrastructure (MIRRI, www.mirri.org). It is recognized that University courses are diminishing and it is down to the microbial resource centre community to stimulate educational and training programmes. MIRRI will develop a capacity building strategy utilising modern tools and tailored knowledge and technology transfer, open to all stakeholders that will create an enabling environment. Innovative approaches will be designed to attract young scientists into the field of management of microbial resources, their characterization and use in agriculture, food security, bioindustry and healthcare.



The 13th International Conference on Culture Collections (ICCC13)

BRCs in the era of microbial genomics and diversity driven innovation of biotechnology

PROGRAM & ABSTRACTS



中国科学院微生物研究所
INSTITUTE OF MICROBIOLOGY CHINESE ACADEMY OF SCIENCES



中国微生物学会
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Program & Abstracts

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General Information

History of ICCC

1968 Tokyo, Japan	1992 Beijing, China
1973 Sao Paulo, Brazil	1996 Veldhoven, the Netherlands
1976 Bombay, India	2000 Brisbane, Australia
1981 Brno, Czechoslovakia	2004 Tsukuba, Japan
1984 Bangkok, Thailand	2007 Goslar, Germany
1988 Maryland, U.S.A	2010 Florianopolis, Brazil

Committee Chairs:

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World Federation for Culture Collections

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Conference Secretaries:

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WFCC-MIRCEN World Data Center for

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