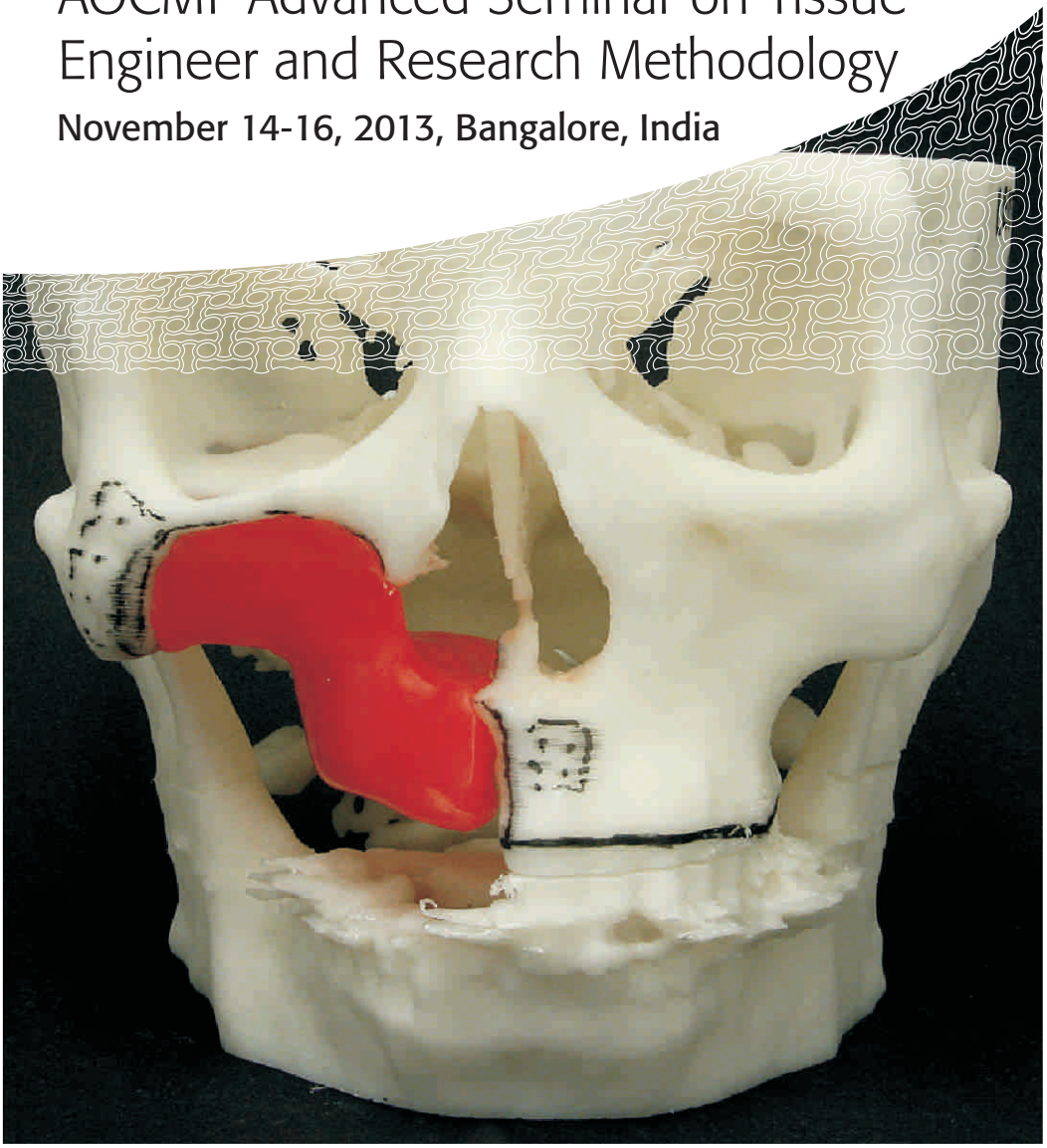
AOCMF
ASIA PACIFIC

AOCMF Advanced Seminar on Tissue Engineer and Research Methodology

November 14-16, 2013, Bangalore, India



Welcome

On behalf of AO Craniomaxillofacial and your local and international faculty, I would like to welcome you to this AOCMF educational event.

AOCMF is a unique worldwide multi-specialty community that includes Oral and Maxillofacial Surgeons, Plastic Surgeons, Otolaryngologists, Maxillofacial Surgeons, Oculoplastic Surgeons, Neurosurgeons, General Surgeons, and Head and Neck Surgeons involved in craniomaxillofacial trauma, oncologic surgery, reconstruction and congenital surgery.

Our organization creates a forum for specialists from all over the world who have common interests and enthusiasm in this field. It is our goal to encourage and inspire residents, fellows, and experienced practitioners to pursue fulfilling careers in our field.

Education has always been a major pillar in AOCMF. Currently, more than 4000 surgeons participate in over 90 AOCMF educational events worldwide per year. AOCMF Education is committed to remaining in the forefront of education and new developments as we strive to improve your educational experience.

We hope that your experience with us over the next few days will result in the acquisition of new knowledge, skills and understanding, which will translate into an improvement in the care that you are able to give your patients.

We also hope that, as a result of this educational event, you will develop a longer term relationship with AOCMF. Become a member of our community, taking advantage of our web site (www.AOFoundation.org), the AO Surgery Reference and phone application (www.AOSurgery.org), AO Membership and other CMF courses and opportunities. Make this organization yours by bringing your opinions, ideas and contributions. Enjoy the camaraderie of our unique network, and help us maintain and expand the preeminent position that AOCMF enjoys worldwide.

Yours sincerely,

Warren Schubert
Chairman AOCMF SpB
AOCMF

Course Faculty

The faculty for this Course is composed of international and national surgeons

National Course Chaipersons
Moni Abraham Kuriakose

National Course Co-chaipersons
Aditya Chaubey
Amritha Suresh

International Course Chairperson
Risto Kontio, Finland

International Faculty
Riitta Seppanen, Finland

Faculty
Felix Koch
Dhirendra Bahadur
Sourabh Ghosh
Satish Totey
Subramania Iyer
Krishna Prasad
Debashish Das
Kaushik Chatterjee

Course Venue

Harold-Varmus Auditorium

Mazumdar-Shaw Cancer Center
Narayana Hrudayalaya Health City
Bommasandra, Bangalore, 560099
Tel: 080-2215 2215, 09972 414414

Course organization

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Course Logistics

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Course objectives

Tissue engineering offers the opportunity to manipulate the normal regenerative properties of tissues to restore or modify defects of the body. It has the unparalleled potential to reach the ultimate reconstructive goal of replacing like-with-like both in terms of form and function, that has defined the reconstructive surgeons.

To move this science forward and make it a clinical reality, it is essential to generate a new-cadre of clinicians and scientists to appreciate what are the critical clinical needs, current status and limitations of applying tissue engineering to clinical practice. This advanced AO-CMF symposium is expected to cover these important issues of craniofacial tissue engineering to create components of face.

At the end of the course the participants are expected to gain practical knowledge in the following fields:

1. Basics of stem cell biology and laboratory manipulation of mesenchymal stem cells.
2. Available biomaterials and scaffolds for tissue engineering and their clinical use and limitations
3. Current status of tissue engineering to develop bone
4. Current status of tissue engineering to develop cartilage and cartilage bone inter-phase
5. Developing engineered oral mucosa, tendon and soft-tissue bone interphase
6. Logistic and regulatory issues in tissue engineering and cell-based therapy

Who should attend?

1. Surgeons involved in head and neck reconstructive surgery: Oral and Maxillofacial Surgeons, Plastic Surgeons, Otolaryngology
2. Trainee surgeons involved in head and neck reconstructive surgery
3. Basic science researchers in the field of tissue regeneration and stem cell biology, who wish to understand the clinical issues in applying the basic science research developments
4. Industries involved in cell-based therapy and tissue engineering products

Program

Thursday, November 14, 2013

TIME	AGENDA ITEM	FACULTY
	Session I : Stem Cell Biology	**Moderator: Dr. Riitta Seppanen**
08.30-08.45	Introduction	
08.45-09.10	Programming of mesenchymal stem cell biology	Dr. Satish Totey
09.10-09.30	Induced Pleuripotent Stem cells-Clinical Application	Dr. Satish Totey
09.30-09.50	Challenges in vascularization of tissue regenerate	Dr. Riitta Suuro
09.50-10.10	Discussion	Dr. Riitta Seppanen
10.10-10.30	**Tea break**	
	Session II: Biomaterials and Scaffolds	**Moderator: Dr. Aditya Chaubey**
10.30-10.50	Scaffolds for Bone and cartilage Engineering	Dr. Sourabh Ghosh
10.50-11.30	Multifunctional nanohybrids for cancer theragnostics.	Dr. Bahadur, IITB
11.30-11.50	Discussion	Dr. Adithya Chaubey
12.00-13.30	**Lunch Break**	
	Session III: Tissue Engineered Jaw bone reconstruction	**Moderator: Dr. Moni Abraham Kuriakose**
13.30-13.50	MSCs in Bone Regeneration	Dr. Riitta Seppanen
13.50-14.10	Facial Skeleton reconstruction, Computer Aided Design and Manufacturing	Dr. Risto Kontio
14.10-14.30	Challenges in clinical applications of tissue engineered bones	Dr. Risto Kontio
14.30-14.50	Discussion	Dr. Moni Abraham Kuriakose
14.50-15.10	**Tea break**	
	Session IV: Soft tissue and cartilage regeneration	**Moderator: Dr. Subramanya Iyer**
15.10-15.30	Individualized Concepts of Tissue Regeneration	Dr. Felix Koch
15.30-15.50	Regeneration of Oral mucosa – A Clinical experiance	Dr. Felix Koch
15.50-16.10	Injectable cartilage	Dr. Krishna Prasad
16.10-17.15	Discussion	Dr. Subramanya Iyer
17.30-18.30	Mazumdar-Shaw Translational Research Center colloquium: "Future of tissue engineered face reconstruction"	Dr. Riitta Seppanen
	Faculty Dinner	

Friday, November 15, 2013

TIME	AGENDA ITEM	FACULTY
	Session V: Soft Tissue Regeneration	**Moderator: Dr. Debashish Das**
08.30-08.50	Epithelial/Adipose Stem Cell Biology	Dr. Debashish Das
08.50-09.10	Buccal mucosal cells: An ocular application	Dr. Debashish Das
09.10-09.30	Developing Cartilage /Bone Interphase- Bone Muscle tendon Interphase	Dr. Kaushik Chatterjee
09.30-10.00	Discussion	
10.00-10.30	**Tea break**	
10.30-10.50	Developing Soft tissue-prosthesis interphase	Dr. Subramania Iyer
10.50-11.10	Improving efficacy of fat transplantation and fillers	Dr. Subramania Iyer
11.10-11.45	Discussion	
11.45-13.30	**Lunch Break**	
	Session VI: Clinical Applications and Regulatory Issues In Stem cell Based Therapy	**Moderator: Satish Totey**
13.30-13.50	Potential Obstacles for Clinical application of tissue engineered products	Dr. Risto Kontio
13.50-14.10	GMP Facility for cell based therapy	Dr. Riitta Seppanen
14.10-14.30	Regulatory Issues in Stem cell therapy	Dr. Sathish Totey
14.30-16.00	Panel Discussion	Dr. Sathish Totey
16.00-16.30	**Tea break**	