

InterLink

Linking the international community of TERMIS



Special points of interest:

- TERMIS-AM 2013 Awards Recipients
- 2014 TERMIS-EU Awards Program Announcement
- 2013 TERMIS-AP & TERMIS-AM Conferences

Inside this issue:

Letter from the President	1
Letter from the Editor	2
Tissue Engineering, Parts A, B and C—Library Recommendation From	2
Tissue Engineering—Young Investigator Council	3
2013 AP Shanghai	4
2013 AM Atlanta	5
TERMIS-AM: Thematic Working Interest Groups (TWIGs)	5
TERMIS-AM: 2013 Awards Recipients	6
2014 TERMIS-EU Awards Program	7
Veterinary Symposium	8
In Remembrance: Marylou Ingram	9
Upcoming Conferences	10
TERMIS' Mission	11

Letter from the President

Dear TERMIS Members,

Even in economically and politically difficult times, Regenerative Medicine (RM) is attracting considerable attention. Recently the Science and Technology Committee of the House of Lords, the august (although some times reviled) upper chamber of the British parliament, published a report on Regenerative Medicine, which concluded that '(RM) has enormous potential to treat and cure diseases ... and could also improve the quality of peoples' lives and generate significant economic benefits for the UK.' Other organizations and institutions around the world are drawing similar conclusions.

TERMIS sits in a potentially powerful position in this milieu. However, we can neither be complacent nor reticent. We are not alone in this brave new world and there are other organizations, associations, societies and networks all over the place. They may have different objectives and persuasions; some are parochial lobbying organizations intent on change in political climates. A few are transnational. None, at this time, is in such a strong position on the global stage as TERMIS. However we have to be alert to this situation and make sure that we, as a society, maintain center-ground. TERMIS is the pre-eminent academic organization; of that there is no doubt. But as a friend of mine, who works in the area of global communications and the media, said to me recently, scientists are not the best spokespersons for the promotion of their work, and we need to engage constructively with those who are in positions of power with respect to decisions about the way forward for RM. We may consider ourselves successful when such people routinely turn to TERMIS for advice and counsel.

The main activity of TERMIS is, of course, the organization of top quality conferences. Two such meetings are taking place soon, in Shanghai-Wuzhen, China and Atlanta, USA. I know that Wei Liu and Bob Guldborg, and their teams, have worked very hard and effectively to organize these conferences. I hope that many members of TERMIS will be able to attend one or both of them, and I personally hope to see many of you on these occasions.

Sincerely,

David Williams

President, TERMIS

Letter from the Editor

Dear TERMIS Members,

This year our society journal celebrates its 20th birthday. A birthday can be seen as a serious or joyful time depending on one's age and one's attitude towards life. Sometimes we *deja vu* and find out that another year has passed and we look back on failures and successes. At times, we think about our goals for the future and reflect on the past year. These are all thoughts that may come up on a birthday, but the main thing is to use a birthday as an opportunity to celebrate and be joyful. Hence, I would like to ask you to join me in congratulating the editorial team of the journal, *Tissue Engineering* and celebrate with the editors at the TERMIS-AP or TERMIS-Americas Meeting.

Yours sincerely,



Professor Dietmar W. Hutmacher PhD (NUS), MBA (Henley)

Journal *Tissue Engineering*, Parts A, B and C

In partnership with Mary Ann Liebert, Inc., publishers, we are pleased to announce that all TERMIS members now have access to the **entire** journal archive of our official journal, *Tissue Engineering*, Parts A, B and C.

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Tissue Engineering

Parts A, B, and C

Mary Ann Liebert, Inc.  publishers

Restored: Online access to *Tissue Engineering* archives
https://www.termis.org/journal_login.php

Encourage your institute to subscribe to *Tissue Engineering*
If your institution does not currently subscribe to the journal, *Tissue Engineering*, Parts A, B, & C, we ask that you please complete the library recommendation form to encourage your institution's librarian to subscribe to the journal today.

[Library Recommendation Form](#)

Tissue Engineering Parts A, B, & C - Young Investigator Council 2014

The Editors-in-Chief of *Tissue Engineering, Parts A, B, & C* and the Chair of the Tissue Engineering Young Investigator Council, Elizabeth Lobo, PhD, invite young investigators and researchers from around the world in the field of tissue engineering and regenerative medicine to apply to serve a one-year term on the distinguished Tissue Engineering Editorial Board in 2014. This new initiative will allow young investigators to work closely with other members of the board, establish solid relationships with experts in the field, and gain insight and important experience in the manuscript peer-review process.

Of the pool of applicants, six young investigators from around the globe will be selected to join the editorial board for one year. Upon acceptance, each student will be assigned 5–6 papers for peer review, and, along with the other council members, will organize an exclusive Young Investigator Council special issue. These assignments will encourage the interaction between student and board member, and aims to establish a strong mentor-mentee relationship while building robust manuscript writing and reviewing abilities.

All young investigators are also encouraged to attend the annual conferences of the Tissue Engineering and Regenerative Medicine International Society (TERMIS) and will coordinate closely with the Student and Young Investigator Section (SYIS) of the society on events, outreach, and other community building activities.

This initiative is brought forth to further the professional and scientific development of students in the field of tissue engineering and regenerative medicine. Please see application below for additional details.

Tissue Engineering Parts A, B, & C: Young Investigators Application

Young Investigators are defined as persons who are employed by an academic institution in the field of tissue engineering and regenerative medicine, who have been awarded their doctoral degree within the past 3 years and/or who are not holding an appointment as a faculty or academic staff in a university/research institute. Graduate students are also considered Young Investigators and are encouraged to apply.

Entry requirements:

Please submit the following documents:

- ◇ Curriculum Vitae including a list of published works
- ◇ **Evidence of qualifications (certificates or transcripts) to show that you meet, or expect to meet, the entry requirements**
- ◇ Evidence of English language ability, only if English is not your first language
- ◇ Two professional references provided by your professors or academic superiors

Applications will be accepted through **November 25, 2013**. Chosen applicants will be notified of their acceptance to the *Tissue Engineering* YIC no later than **December 16, 2013**, and are expected to begin and serve a full year term on **January 6, 2014**. Those who are not selected to serve on the committee are encouraged to reapply the following years as long as applicable.

Please submit your applications to TEN_YICouncil@liebertpub.com along with any questions or comments. We look forward to receiving your applications.



Keynote Speakers Announced - To view the complete list of keynote speakers, [click here](#).

Plenary Speakers Announced — To view a complete list of the plenary speakers, [click here](#).

Final Program Now Online — [View](#)

Register TODAY!



The full program is now [ONLINE!](#)

Hosted by:
Georgia Tech **Institute for Bioengineering & Bioscience**
Parker H. Petit Institute for Bioengineering & Bioscience

Conference Highlights

We are thrilled to begin this year's conference on Sunday, November 10th. Join us as we celebrate the 25th anniversary of one of the first industry gatherings: [Opening Symposium](#) - Tissue Engineering & Regenerative Medicine: Origins and its Evolution.

- TERMIS-AM Industry Committee Workshop - ["Bench to Business"](#)
- [Evening Reception / Atlanta Experience!](#)
- [SYIS-AM Activities](#) (Student and Young Investigator Section) - *Sign up for the SYIS events today!*
- [Women in Tissue Engineering & Regenerative Medicine Luncheon](#)

[Visit our conference website](#) for further details on these activities, and much more!

TERMIS-AM: Thematic Working Interest Groups (TWIGS) - SIGN UP ONLINE!

The objectives of the TWIGs are:

1. to give all members of the TERMIS-AM an opportunity to participate more directly in the life of the society;
2. to provide support for programming in specific domains;
3. to provide an opportunity to learn the workings of a professional society with a goal of readying talented, motivated individuals for leadership roles in the society;
4. to address new and emerging areas impacting TERM and to provide a platform to introduce these areas into our annual meeting.

The initial 12 TWIGs are:

- Cardiovascular/Angiogenesis/Blood: Milica Radisic
- Musculoskeletal: Johnna Temenoff
- Neural & Spine: Shelly Sakiyama-Elbert
- Ophthalmologic: Jennifer Ellisseeff
- Craniofacial: Peter Ma
- Respiratory, Urologic & Gastrointestinal: James Yoo
- Skin, Wound Healing, and Inflammation: Mark Van Dyke
- Scaffolds, Matrices, and Biomaterials: Eben Alsberg
- Stem Cells & Cell Therapies & Developmental Biology and Cell Signaling: Todd McDevitt
- Commercialization & Regulation: Chris Gemmiti
- Biofabrication & Bioreactors: George Christ
- Imaging: Eric Brey

[Complete the online sign-up sheet to join a TWIG.](#)

Join us on Tuesday, November 12th at 4:00 PM for the first meeting of TWIGs.

The TWIGs meeting will be held during the 2013 TERMIS-AM conference at the Hyatt Regency Atlanta in the Learning Center.

TERMIS-AM: 2013 Awards Recipients



Lifetime Achievement Award will be presented to **Robert M. Nerem, PhD**, Professor Emeritus, George W. Woodruff School of Mechanical Engineering, Director, Georgia Tech & Emory Center for Regenerative Medicine, Parker H. Petit Distinguished Chair for Engineering in Medicine and Institute Professor, Georgia Institute of Technology on Monday, November 11th at 9:00 AM.



Senior Scientist Award will be presented to **William R. Wagner, PhD**, Director of the McGowan Institute for Regenerative Medicine and Professor of Surgery, Bioengineering and Chemical Engineering at the University of Pittsburgh on Tuesday, November 12th at 9:00 AM.



Young Investigator Award will be presented to **Alison P. McGuigan, PhD**, Assistant Professor of the Department of Chemical Engineering and Applied Chemistry at the University of Toronto on Tuesday, November 12th at 9:15 AM.



Mary Ann Liebert, Inc. Outstanding Student Award will be presented to **Rameshwar R. Rao**, NSF Graduate Student Research Fellow, Department of Biomedical Engineering at the University of Michigan on Wednesday, November 13th at 9:00 AM.

The TERMIS-AM Council and Awards Committee would like to announce the recipients of the 2013 TERMIS-AM awards program. Each of the awardees will be acknowledged during the upcoming 2013 TERMIS-AM conference in Atlanta, GA. Congratulations!

2014 TERMIS-EU Awards Program Announcement

The deadline to submit nomination packages for the 2014 TERMIS-EU Awards Program is January 31, 2014.

Each nomination to be received by the Awards Committee must include the following information:

- Detailed Curriculum Vitae of the nominee;
- One (1) page summary detailing the major achievements of the nominee; and
- Three (3) letters of recommendation written by respected scientists/professionals working within the TERM field that are members of any chapter of TERMIS. Letters by members of the Awards Committee are not acceptable.

The recipient of each one of the awards will:

- Be presented with an honorarium of 1500 Euros;
- Be presented with a plaque;
- Be provided with 1000 Euros to be used toward travel expenses (air ticket, hotel) to attend the TERMIS-EU Annual meeting;
- Be provided with complimentary registration to the TERMIS-EU Annual Conference.
- Each awardee must confirm his/her attendance at the TERMIS-EU Annual Conference (by the first week of April).

Each awardee will be provided with 30 minutes to present a Plenary Award Lecture at the TERMIS-EU Annual Conference.

Timings and other relevant information

- Nominations must be received by the 31st of January of each year.
- The TERMIS-EU Awards Committee will review the nomination packages received and provide the names of the award recipients by the first week of April. At this time, the awardees must confirm his/her attendance at the TERMIS-EU Annual Conference.

All nomination packages for the TERMIS-EU Awards Program should be submitted to the TERMIS Administrator via email at swilburn@termis.org.

For more information on the EU Awards Program, please visit www.termis.org/chapters_eu_awards.php or Contact the TERMIS administrator at swilburn@termis.org.

TERMIS-EU Awards Program: Awards

- Career Achievement Award
- Young Scientist Award
- Contributions to the Literature Award, and the
- Clinical/Translation Work or Innovation/Technology Award

The Clinical/Translation Work or Innovation/Technology Award aims to recognize successful clinical and translation work that leads to the development of relevant products or therapies used in the treatment of patients. **The awards will be presented alternately at the annual meeting.**

Veterinary Symposium at the TERMIS-EU 2013, Istanbul, Turkey

The first collaboration between TERMIS and the International Veterinary Regenerative Medicine Society (IVRMS) was realised in 2012 with a veterinary session at the TERMIS World Conference. Given the success with this and the enthusiasm of the Boards of both TERMIS and IVRMS, the successful fusion of IVRMS with TERMIS was achieved this year. Therefore it was fitting for a second veterinary symposium to be organised to occur during the TERMIS-EU chapter annual conference in Istanbul in June 2013. This was organised with the excellent efficiency by Dr. Iris Ribitsch, with the occasional assistance of Dr. Roger Smith. It was unfortunate that the civic unrest that affected Istanbul at that time inhibited many attendees but, the veterinary community are a dedicated lot and we had no loss of speakers from the programme which went ahead as planned. The keynote was delivered by Dr. Roger Smith (London, UK) on the tracking of mesenchymal stem cells in a sheep model of tendon injury, and was followed by excellent presentations from Dr. Florian Jenner (Vienna, Austria) on differential gene expression during cartilage development; Dr. Walter Brehm (Leipzig, Germany) on animal models for evaluating regenerative therapies; Dr. Michael Schramme (Lyon, France) on the results of a study looking at the effects of mesenchymal stem cells in an experimentally created tendon defects in horses; and Dr. Beatriz Ranera (Zaragoza, Spain, now in Galway, Ireland) on immunotyping and gene expression in equine mesenchymal stem cells. This truly international speaker list attracted a good attendance and the Young Scientist award from the IVRMS was awarded to Dr. Ranera for her work on characterising equine mesenchymal stem cells, an essential part to the successful progress of this field in equine clinical practice.

We are very grateful for the support of TERMIS for achieving this goal and, in particular, for Dr. Chris Mason and the UK Stem Cell Foundation for providing financial support to help cover the speakers' expenses. We are anticipating that these first veterinary symposia will continue to occur within the TERMIS chapter and world congress meetings so please seek them out at TERMIS-AM in November 2013 (in collaboration with the North American Veterinary Regenerative Medicine Association (NAVRMA)) and then in TERMIS-EU in 2014.

Roger Smith and Iris Ribitsch



The speakers at the second veterinary symposium during TERMIS-EU 2013. From left to right – Dr. Iris Ribitsch, Dr. Michael Schramme, Dr. Beatriz Ranera, Dr. Roger Smith, Dr. Florian Jenner, and Dr. Walter Brehm.



The IVRMS Young Scientist Award 2013, Dr. Beatriz Ranera, flanked by Dr. Iris Ribitsch (left) and Dr. Roger Smith (right), co-organisers of the veterinary symposium



Dr. Marylou Ingram

June 14, 1920 – August 12, 2013

Dr. Marylou Ingram, Senior Research Scientist and head of the Tissue Engineering & In Vitro Systems program at Huntington Medical Research Institutes, passed away at her home in Pasadena, on Monday, August 12th. She was 93-years-old.

Her career in medical research and teaching spanned over six decades and centered on experimental hematology, radiation biology, cellular immunology and cancer cell biology. She joined HMRI in 1982 where she pioneered and perfected the culturing and production of 3D tumor models called 'histoids'. Histoids resemble micro-metastases and contain both stromal microenvironment and malignant epithelial cells. They hold promise as surrogate micro-tumor tissues for drug screening and for studies of the biology and invasive properties of tumor cells. She believed that these histoids constructed without scaffolds are the best *in vitro* micro-tumor models because they resemble the histology of *in vivo* human solid tumor tissues with heterotypic cells-matrix interactions.

Before coming to HMRI, Dr. Ingram had a distinguished career in academic medicine and research, including a faculty position at the University of Rochester, Caltech, and the University of Miami. She was a consultant at Los Alamos National Laboratory, to the National Cancer Institute, the FDA, Brookhaven National Laboratory, NASA and other organizations. She was a pioneer in automated cell analysis, played a key role in developing automated cell analysis systems, and was founding director of the Institute for Cell Analysis at the University of Miami. She received her M.D. degree from the University of Rochester and was trained as a hematologist. She was a member of ISAC and several other scientific organizations. She never retired and remained actively involved in her research program until the end of her life.

All conferences listed have been reviewed and approved for endorsement by the TERMIS Endorsement Committee.

Upcoming Conferences

September 2013

[Advancing the Science of Allograft in Bone Regeneration: Past, Current, and Future Concepts](#) Presented by the LifeNet Institute for Regenerative Medicine Date: Wednesday, September 11, 2013 Location: Virginia Beach, VA

[Future Investigators of Regenerative Medicine \(FIRM\) PhD Summer School](#) Summer School Dates: 30 September - 3 October 2013 Summer School Location: Hotel Cap Roig, Girona, Spain All participating PhD students and the invited keynote speakers will be staying in the same location to give everybody a real chance for networking.

[Stem Cells USA & Regenerative Medicine Congress](#) Congress Dates: September 30-October 1, 2013 Congress Locations: The Hyatt Regency, Cambridge, MA About: The 5th annual Stem Cells & Regenerative Medicine Congress is where biotechs gather to explore the most promising trends in stem cell, cell and gene therapies. Hear from cell therapy companies you've not heard from before, and get to know the top 20 next-to-launch biotechs. TERMIS members can save 15% with promo code TERMIS15!

October 2013

[1st POLARIS Workshop on Nanosystems for Medicine](#) Workshop Theme: 1st POLARIS Workshop on Nanosystems for Medicine: fundamentals, synthesis & applications Workshop Dates: 7-9 October 2013 Workshop Location: Porto Palácio Congress Hotel & Spa, Porto, Portugal

[TERM STEM 2013](#) Conference Theme: Nanotechnology as a tool for improving Tissue Engineering & Regenerative Medicine Conference Dates: 10-12 October 2013 Conference Location: Porto Palácio Congress Hotel & Spa, Porto, Portugal

[CORS 2013](#) Conference Dates: 13-16 October 2013 Conference Location: Venice, Italy 8th Combined Meeting of the Orthopaedic Research Societies

[IBC LifeSciences: Cell Therapy Bioprocessing](#) Conference Dates: October 21-22, 2013 Conference Location: Bethesda, MD, Bethesda Marriott TERMIS Members will receive a 20% discount on their registration.

[2013 TERMIS-AP: Shanghai, P. R. China](#) Conference Dates: October 23-26, 2013 Conference Location: Shanghai, P.R. China Conference Chair: Yilin Cao, MD, PhD Conference Program Chair: Wei Liu, MD, PhD

November 2013

[2013 TERMIS-Americas: Atlanta, GA](#) Conference Location: Atlanta, Georgia Conference Dates: November 10-13, 2013 Conference Chair: Robert E. Guldberg, PhD Conference Program Chair: Todd C. McDevitt, PhD More details to follow.

[Tissue Regeneration Conference 2013](#) Conference Dates: November 14-15, 2013 Conference Location: Lattrop, the Netherlands

[IFATS 2013](#) Conference Dates: November 21-24, 2013 Conference Location: The Conrad Hotel in New York City

December 2013

[bone-tec 2013](#) Conference Dates: December 16-19, 2013 Conference Location: Singapore Conference Chair: Prof. Swee-Hin Teoh

April 2014

[2014 Symposium on Biologic Scaffolds for Regenerative Medicine](#) Symposium Dates: April 24-26, 2014 Symposium Location: Silverado Resort, Napa Valley, CA Deadline for abstracts is October 31, 2013

June 2014

[2014 TERMIS-EU: Genova, Italy](#) Conference Dates: 10-13 June 2014 Conference Co-Chairs: Ranieri Cancedda, MD and Claudio Migliaresi, PhD More details to follow.

September 2014

[2014 TERMIS-AP: Daegu, South Korea](#) Conference Dates: September 24-27, 2014 Conference Location: Daegu Exhibition & Convention Center (EXCO) Conference Chairs: Jin Ho Lee, Ph.D. and Byoung Hyun Min, M.D. Conference Program Chair: Grace J. Lim, Ph.D.

December 2014

[2014 TERMIS-AM: Washington, DC](#) Conference Dates: December 13-16, 2014 Conference Chair: John Fisher, PhD Conference Program Chair: Jennifer Elisseff, PhD More details to follow.

September 2015

[2015 4th TERMIS World Congress](#) Congress Dates: TBD Congress Location: Boston, MA, USA Congress Co-Chairs: David Kaplan, PhD and Kacey

Marra, PhD

June 2016

[2016 TERMIS-EU Conference](#) Conference Dates: 28 June - 1 July 2016 Conference Location: Uppsala University, Uppsala, Sweden Conference Chair: Prof. Jöns Hilborn

December 2016

[2016 TERMIS-AM Conference](#) Conference Dates: December 2016 Conference Location: San Diego, CA Conference Chairs: Anthony Ratcliffe, PhD; Robert Sah, PhD; and Bill Tawil, PhD



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**Linking the international community of
TERMIS.**

Visit us at www.termis.org

To accomplish its mission, TERMIS brings together the international community of persons engaged or interested in the field of tissue engineering and regenerative medicine and promotes education and research within the field of tissue engineering and regenerative medicine through regular meetings, publications and other forms of communication. The Society also serves as an international forum to promote the informed discussion of challenges and therapeutic benefits of the application of tissue engineering and regenerative medicine technologies.

Most importantly, the Society is committed to bringing you closer to key professionals to support your mutual understanding of the field, accelerate your research in the field and to enable you to contribute to the ultimate care of patients in this very important way.

Interested in contributing to the TERMIS Newsletter?
CONTACT SARAH WILBURN