

SCRMC Scientific Focus Groups

Why?

- Address a need for focused continual scientific interactions in the SCRMC
- Foster collaboration in key strategic research areas in the SCRMC
- Promote productive interdisciplinary interactions
- Accelerate discoveries in stem cell biology
- Catalyze clinical translation of regenerative medicine

How?

- Determine current areas of strategic importance and “critical mass” in SCRMC
- Identify group leaders
- Solicit feedback from SCRMC members regarding the role of Scientific Focus Groups
- Initiate groups, determine goals, and execute action items.

SCRMC Scientific Focus Groups



Leader: Amish Raval, M.D.

Cardiovascular Regeneration



Leader: Ben Graf, M.D.

Musculoskeletal Regeneration



Leader: Anita Bhattacharyya, Ph.D.

Neural Regeneration



Leader: Emery Bresnick, Ph.D.

Molecular and Cellular Hematology



Leader: Brenda Ogle, Ph.D.

Stem Cell Bioengineering



SCRMC Scientific Focus Groups

Initiation

- Collect input from SCRMC members
- Provide administrative organization
- Connect to other SFGs

Organization

- Organize meetings and determine goals and action items
- Provide website presence
- Formulate fundraising structure

Establishment

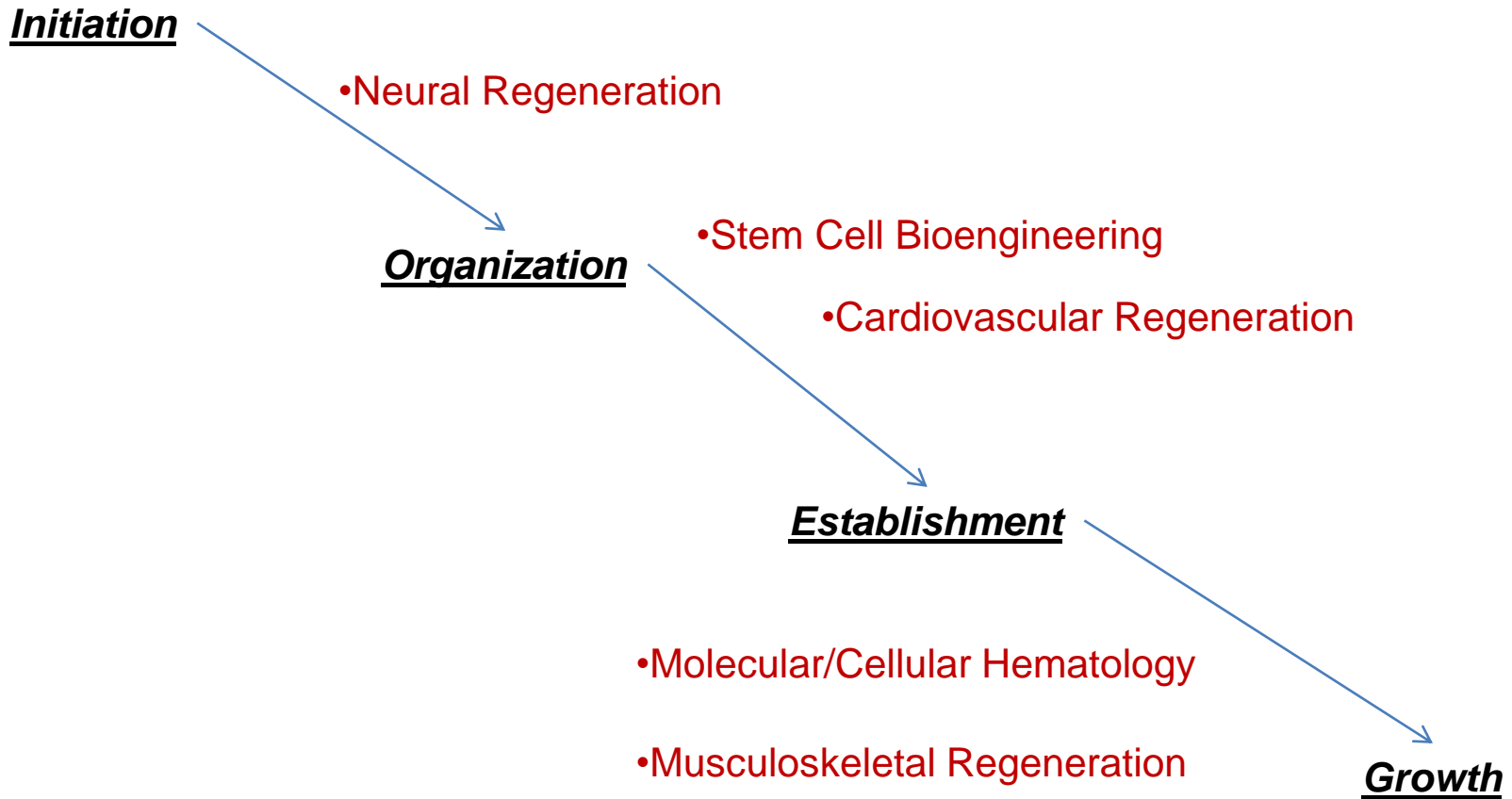
- Provide strategic seed funding
- Logistical support for multi-investigator efforts
- Organize focused retreats/seminars

Growth

- Invite world leaders to visit SFG
- Provide support for topical conferences
- Foster faculty promotion/awards and targeted faculty recruitment



SCRMC Scientific Focus Groups



SCRMC Scientific Focus Group: *Neural Regeneration*



Anita Bhattacharyya

Core Members

- Anita Bhattacharyya, Qiang Chang, Ian Duncan, David Gamm, Masa Suzuki, Su-Chun Zhang, Xinyu Zhao

Short Term Goals

- Promote communication within the group through short research presentations.
- Identify areas of collaboration.
- Plan SCRMC symposium on Neural Stem Cells : April 2012

Long Term Goals

- Explore and secure opportunistic funding opportunities based on collaborative efforts by members.
- Recruit new faculty in the neural development and neural regeneration areas.
- Host a national/international symposium on neural regeneration at UW

Other Information

- The Neuroregeneration SFG strives to include researchers in diverse disciplines and welcomes investigators working in areas outside of neural development and regeneration.

SCRMC Scientific Focus Group: *Stem Cell Bioengineering*



Brenda Ogle

Core Members

- Kristyn Masters, Sean Palecek, Wan-Ju Li, Tom Turng, Bill Murphy, Brenda Ogle

Short Term Goals

- Continue bimonthly PI meetings to discuss research progress and collaborative initiatives.
- Develop a bimonthly, interactive seminar series built upon topics of general interest according to the schedule below
 - September 29, 2011, Natural and Synthetic ECM to Guide Stem Cell Behavior
 - November, 2011, 4D Stem Cell Microenvironments
 - January, 2012, Stem Cell Manufacturing
- Explore and secure opportunistic near-term funding opportunities.

Long Term Goals

- To fulfill the mission of the group:
 - “To establish a forum for interaction of investigators and expansion of research efforts related to stem cell bioengineering”
- To meet socially on an annual basis

SCRMC Scientific Focus Group: *Cardiovascular Regeneration*



Amish Raval

Core Members

Amish Raval, Bill Murphy, Peiman Hematti, Timothy Kamp, Gary Lyons, John Centanni, Timothy Hacker, Derek Hei, Bo Liu, Nader Sheibani, Kurt Saupe

Short Term Goals

- Two to three meetings to discuss individual member lab focus, direction, resources.
- Monthly PI meetings to discuss administrative needs and collaborative initiatives.
- Invite external speakers to enhance visibility of UW efforts and promote faculty.
- Explore and secure opportunistic near-term funding opportunities.

Long Term Goals

- Establish a funded, multi-investigator program in cardiovascular regenerative medicine
- Host a symposium on Cardiovascular Regenerative Medicine at UW
- Establish a blog/chat room to foster sharing of methods, techniques and ideas
- Seminar series for trainees in the area of cardiovascular regenerative medicine





Emery Bresnick

Core Members

- Emery Bresnick, Fotis Asimakopoulos, Lara Collier, Igor Slukvin, Jing Zhang, Shannon Kenney, Anna Huttenlocher, Christine Serroogie, Deane Mosher, Colin Jefcoate, Peiman Hematti, Paul Sondel, Christian Capitini, Capi Ryan Mattison, Jenny Gumperz, Anhan Audha, Mark Juckett

Short Term Goals

- Develop multidisciplinary, collaborative efforts
- Enhance molecular and cellular hematology research at UW-Madison
- Solidify a foundation for future growth in this critical area

Long Term Goals

- Continue to develop collaborative work to yield important discoveries
- Continue to develop multi-investigator funding mechanisms

Continue to serve as the scholarly epicenter for research on molecular and cellular hematology





Ben Graf

Core Members

- Ben Graf, Ray Vanderby, Bill Murphy, Mark Markel, Yan Lu, Wally Block, Wan Ju Li, Stacy Brickson, Connie Chamberlain, Bryan Heiderscheit, Ben Graf, Geoff Baer, Rick Kijowski, Ken Lee, John Wilson, David Rabago

Short Term Goals

- Continue monthly PI meetings to discuss research progress and collaborative initiatives.
- Invite prominent external speakers to enhance visibility of UW efforts and promote faculty.
- Explore and secure opportunistic near-term funding opportunities.
- Train students, post doctoral fellows, and orthopedic residents in MSK research

Long Term Goals

- Formulate and engage in collaborative research
- Procure and share core resources/techniques
- Establish a funded, multi-investigator program in musculoskeletal regeneration
- Host a symposium and establish seminar series on Musculoskeletal Regeneration at UW
- Recruit a new faculty in the MSK regenerative medicine area



SCRMC Scientific Focus Groups

How does the SCRMC support the Scientific Focus Groups

- Administrative/logistical support
- Benchmarking to evaluate collaborative success and identify opportunities
- Web tools to facilitate communication/dissemination
- Enhance recognition and prominence of the focus group topic
- Provide seed funding for activities of importance to the SCRMC and the SFG

How can you get involved?

- Pass along your ideas about new focus groups that should be established
- Pass along your feedback about what these groups can do (wlmurphy@wisc.edu)
- Join a Scientific Focus Group!