ISCC Innovative Approaches
Working Group (IAWG) Update:
Universal Module Development

ISCC Face-to-Face Meeting 1/14/16

IAWG Co-Chairs: Rich Haspel, Teri Manolio
## Membership of Working Group

<table>
<thead>
<tr>
<th>Member</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Rich Haspel</td>
<td>TRIG</td>
<td>Flora Lum</td>
<td>AAO</td>
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<tr>
<td>Anjene Addington</td>
<td>NIMH</td>
<td>Teri Manolio</td>
<td>NHGRI</td>
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<tr>
<td>Anna Berry</td>
<td>AMP</td>
<td>Francis McMahon</td>
<td>IPSG, NIMH</td>
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<td>John Clarkson</td>
<td>ABO</td>
<td>Kiran Musunuru</td>
<td>AHA</td>
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<td>Sean David</td>
<td>ABFM</td>
<td>John Nurnberger</td>
<td>IPSG</td>
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<td>Michael Dougherty</td>
<td>ASHG</td>
<td>Benjamin Raby</td>
<td>ATS</td>
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<td>Katrina Gwinn</td>
<td>NINDS</td>
<td>Kate Reed</td>
<td>Jackson Labs</td>
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<td>Michael Hagen</td>
<td>ABFM</td>
<td>Timothy Stout</td>
<td>Baylor</td>
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<td>Jennifer Hall</td>
<td>AHA</td>
<td>Gail H Vance</td>
<td>ACP</td>
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<td>Emily Harris</td>
<td>NIDCR</td>
<td>Jeffrey Vance</td>
<td>U Miami</td>
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<td>Ann Karty</td>
<td>Kansas Univ</td>
<td>Elizabeth Varga</td>
<td>NSGC</td>
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<td>Cheryl Kassed</td>
<td>AACC</td>
<td>Kristen Weitzel</td>
<td>Univ Florida</td>
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<td>Monica Kraft</td>
<td>ATS</td>
<td>Suzanne Ziemnik</td>
<td>ASCP</td>
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<td>Melvin Limson</td>
<td>AMP</td>
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<tr>
<td>Tina Lockwood</td>
<td>AACC</td>
<td>Your Name Here?</td>
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Working Group Tasks

• Develop novel ways to teach genomics, building on the “Training Residents in Genomics (TRIG)” approach

• Create a "universal module" that utilizes the team-based learning and flipped classroom models adopted in TRIG
  – Target health care professionals who are not experts in genetics (e.g., cardiologists, neurologists)
  – Leverage the expertise of as many ISCC organizations as possible in adapting common core curriculum

• Develop other innovative methods proposed by the group
Working together!
What is a “Universal Module?”

• Target: Health care professionals not experts in genetics but may have to deal with genetic issues.

• The needs of these individuals are likely the same regardless of specialty.
  – Each specialty to then "plug in" the relevant genes of interest.
A Structured Approach to a Universal Module

- Can adapt curriculum
- How to do it

Survey-based review Of TRIG Curriculum

Develop Universal Module

Adapt to Specialties

Implement at National Meetings

Create Handbook and Toolkit

Disseminate

Evaluate (Surveys, Exams, Peer Review)

Publish

Websites

Residents/Fellows
**Modules are being adapted!**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Representative</th>
<th>Society/Meeting Status</th>
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<tbody>
<tr>
<td>Cardiology</td>
<td>Kiran Musunuru*</td>
<td>AHA/2015 Meeting Presentation/ 2016 Meeting Confirmed</td>
</tr>
<tr>
<td>Clinical Chemistry</td>
<td>Tina Lockwood</td>
<td>AACC/Meeting Confirmed</td>
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<tr>
<td>Family Medicine</td>
<td>Ann Karty Sean David</td>
<td>ISCC co-chair ABFM</td>
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<tr>
<td>Hematology</td>
<td>Liz Varga</td>
<td>NSGC</td>
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<tr>
<td>Neurology</td>
<td>Jeff Vance*</td>
<td>AAN/Meeting Confirmed</td>
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<tr>
<td>Ophthalmology</td>
<td>Veeral Shah, Tim Stout*</td>
<td>AAO/Developing Proposal</td>
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<tr>
<td>Psychiatry</td>
<td>John Nurnberger Francis McMahon</td>
<td>IPSG IPSG/NIMH</td>
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*Some funding obtained*
NHGRI Supplement (~$100,000) to NCI (TRIG) R25; ASCP to help develop handbook and toolkit

**Note:** Also ASHG Train-the-Trainer Session in 2015; re-applying for 2016
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- How to do it

WE WANT YOU
Making progress...

• Next steps
  – Tweak current specialty-specific modules
  – Get additional member society participation
  – Create handbook/toolkit
  – Dissemination/Publish

• Barriers
  – Getting member society participation
  – More funding
    • Further dissemination
    • Online tools

What we are asking from members:
• Universal Module
  – Adapt to your specialty (not too onerous)
  – A workshop/course at your annual meeting

• Consider:
  – Access to trainees/directors
  – Use of in-house trainee in-service exam
Some useful info

Haspel RL, Ali AM, Huang GC. Using a Team-Based Learning Approach at National Meetings to Teach Residents Genomic Pathology. Journal of Graduate Medical Education Online ahead of print (releases 2/16 issue) Available at JGME website

http://www.pathologylearning.org/trig/resources

Future Workshops/Courses (Opportunity to observe)
- USCAP Annual Meeting: Seattle 3/12/2016
- CPD World Congress, San Diego 3/17/2016
- AAN Annual Meeting: Vancouver 4/20/16 (Jeff Vance)
- ACLPS Annual Meeting: Birmingham 6/2/2016
- AACC Annual Meeting: Philadelphia 8/3/2016 (Tina Lockwood)
- CAP ’16 Course: Las Vegas 10/2016
- AHA Annual Meeting: New Orleans 11/2016 (Kiran Musunuru)