TOWN HALL AGENDA

1. 2:00 – 2:05pm  Welcome
   Etiquette Reminder
   Presenter Introductions

2. 2:05 – 2:25pm  Amanda Behr

3. 2:25 – 2:45pm  David Robinson

4. 2:45 – 3:05pm  Beatrice Robichaud

5. 3:05 – 3:25pm  Dr. Gerald T. Grant

6. 3:25 – 3:40pm  Q & A and Discussion

7. Closing – Thank you to our presenters and attendees!
AMANDA BEHR, MA, CCA, CMI, FAMI

Program Director, Associate Professor
Augusta University, Augusta, Georgia, USA

Bio
Amanda Y. Behr, MA, CCA, CMI, FAMI is a board certified Medical Illustrator and Certified Clinical Anaplastologist who serves the Department of Medical Illustration as Program Director.

Relevant Experience
- Anaplastology
- Medical Art
- 3D Modeling & Printing
- Clinical Practice – Private and Institutional

Contact Info: abehr@augusta.edu
Learn more: https://www.augusta.edu/innovation/covid19
Augusta University COVID PPE Response
Material and Techniques

Amanda Y. Behr, MA, CCA, CMI, FAMI
Program Director and Associate Professor
Department of Medical Illustration
DCG Anaplastology Clinic
Projects

Face Shields

Face Masks
Face Shields

- Modified Prusa design
  - Velcro strap
- 10 Mil plastic recommended
  - No need for bottom bar
- Printed with FDM and Resin printers
Face masks

- Modified Montana design
- 61 mm opening
- Tested silicone and 3D print with user group
- To replace surgical masks
- Two sizes
- Molds printed with FDM and Resin Printers
Materials

- **Food grade**
  - RTV 3045
  - 45 Durometer
  - Separator

- **Silicone Pigment**
  - Thixotropic Agent

- **Vacuum to 29 Hg**
Packing the Mold
Materials

- Tourniquet Strap
- 3D Printed Buckle
- Sterilization Fabric
- 3D Printed and Cast Filter
Printers

Form 2

LulzBot TAZ 6
Face Masks

Two Sizes
Discussion and Future

• 3D printing
  • Size and durability
  • Availability
• Casting technique
• Liability

Future
• Vacuum forming
• Alternative mold materials
• Mold smoothing
FACE SHIELD TASK FORCE:
MEMBERS:
Cheryl Goldsleger - Morris Scholar of Art
Bill Gray - College of Education
Scott Thorp - AVP of Interdisciplinary Research Department Chair
Paul York - Information Technology
Erika Grimm - Institutional Infomation Analyst
David Stevens - Savannah River Site
Jessica Dinsmore - Augusta University Student
John Peterson - Instructor at MOSAIC Technologies Group
Sarah Long - Director of Research Operations, Augusta University
Michael Diamond - SR VICE PRESIDENT FOR RESEARCH
Dale Strasser - MTU Solutions

MONTANA BEHR MASK TASK FORCE:
Amanda Behr - Medical Illustration/AU Anaplastology Lab
Brian Rust, Brian McGrath, Mariana Williams - Department of Art
Damian Priessman - AU Health ISCU
Michael Ray, RJ Mysona, Alain De Greef - SOLVAY
Mark Jarzewiak

Lynsey Ekema - Response Coordinator