

[Subscribe](#)[Past Issues](#)[Translate ▼](#)[View this email in your browser](#)

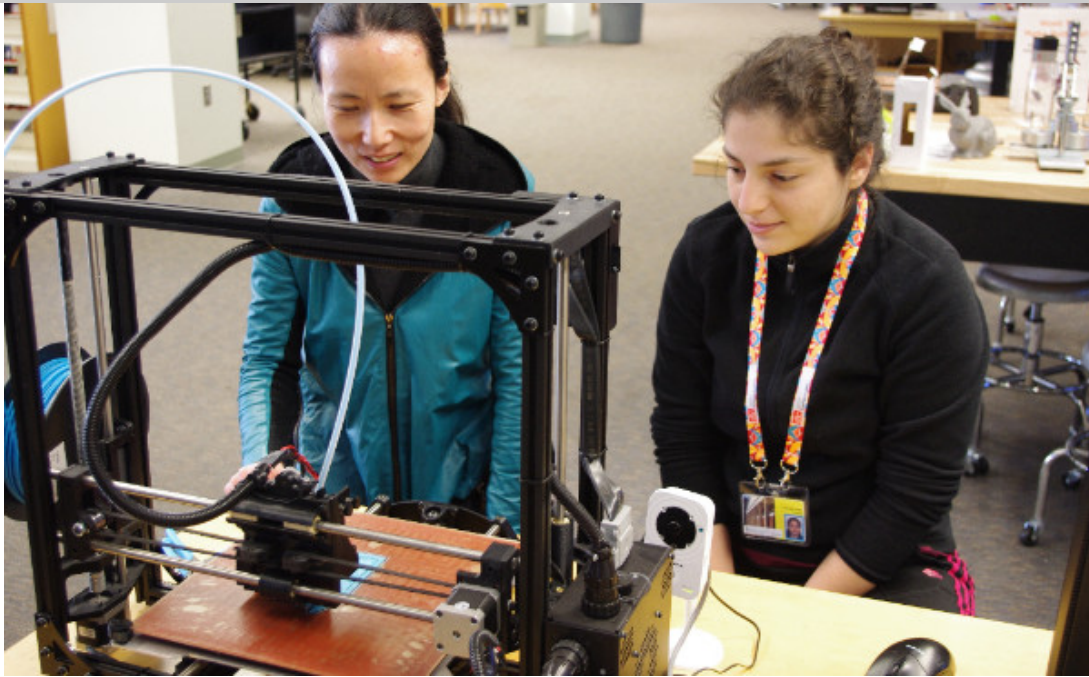
## Makers @ HS/HSL: Taking the First Steps with 3D Modeling and Printing

<b>User:</b>	Ayse Sena Yumbul
<b>Affiliation:</b>	<a href="#">Department of Emergency Medicine, University of Maryland School of Medicine</a>
<b>Project:</b>	Customize a downloaded 3D model and print it
<b>Used:</b>	<a href="#">Tinkercad</a> and <a href="#">Lulzbot Taz5</a>

Ayse Sena Yumbul, M.D. is a newcomer to 3D technology. Prior to enrolling in the library's weekly workshops on 3D printing and modeling, she had never worked with a 3D printer or a computer-aided design (CAD) program. Dr. Yumbul was excited to learn how 3D printers work, and that websites like [NIH 3D Print Exchange](#) and [Thingiverse](#) allow people to freely share and download existing digital 3D models.

After the workshops, she used what she learned to download a 3D model of a bookmark in the shape of a cartoon character, and customized it with her initials using [Tinkercad](#), a web-based CAD program. The next week, Yumbul used the HS/HSL Innovation Space to print her custom bookmark.

Dr. Yumbul is a resident in the [Department of Underwater and Hyperbaric Medicine at Istanbul University](#), Istanbul, Turkey, where she studies decompression sickness. She is a visiting researcher in the department of Emergency Medicine this summer working with [Dr. Stephen Thom, M.D., Ph.D.](#)

[Subscribe](#)[Past Issues](#)

Drs. Ming Yang (left) and Ayse Sena Yumbul (right) watch as our Lulzbot Taz5 prints Yumbul's customized bookmark.

---

## 3D Tech in the News

1. [In a World's First, Doctors Successfully Resect 5 Vertebrae with a 19cm 3D Printed Spinal Implant](#) (3ders.org)
2. [Improved Surgery Planning Using 3-D Printing: a Case Study](#) (nih.gov)
3. [3D Printed Braces: The Future of Scoliosis Treatment](#) (3ders.org)

---

## Did You Know?

The HS/HSL will soon be launching a poster printing service for UMB members! The maximum full-color print size will be 42"x56". Watch [our home page](#) for more details.

[Subscribe](#)[Past Issues](#)

---

## Upcoming HS/HSL Innovation Space Workshops

### Introduction to 3D Printing

- July 6, 2016
- July 14, 2016
- July 19, 2016
- July 27, 2016

### Introduction to 3D Modeling

- July 7, 2016
- July 12, 2016
- July 18, 2016
- July 28, 2016

[Register for our free workshops](#)

---

## New to the HS/HSL Innovation Space?

The Innovation Space is designed for innovative and collaborative hands-on learning experiences. It offers three 3D printers, two 3D scanners, over 3,500 video tutorials from [Lynda.com](http://www.lynda.com) (available on-site only), a large DNA model, two molecule kits, a button maker, and a 3D printing pen. The staff provides orientations as well as workshops on a regular basis for those who are new to 3D printing and 3D scanning.

For more information, visit our webpage at <http://www.hshsl.umaryland.edu/services/inspace/>.



**Subscribe**

**Past Issues**

---

*Copyright © 2016 Health Sciences & Human Services Library, University of Maryland, Baltimore, All rights reserved.*

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#)

The MailChimp logo is centered within a light gray rounded rectangular box. The text "MailChimp" is written in a white, cursive script font.