

Tending the Seedling for Climate and Health Education at VCU SOP

Sustainable Pharmacy Project

Presented by: Hayley Baker and Briton Vanmaanen



Student Involvement

- Connecting with external student organizations
- Direct student outreach
 - Meeting students from other SoPs (internationally!)
 - Publicizing the issues
- Less Litter, More Health
 - ~ 40 bags of trash in 2021
 - Will be hosting another trash pick up over Earth week
- Instagram and Newsletter outreach
 - Sustainable Spotlight Newsletter
 - More than 300 followers on Instagram!



Upcoming Involvement

- Earth Week Collaboration with NEO
 - Hosting screening of Sacrifice Zone
 - Wrapping up the trash pick up
 - Hosting a medication take back table

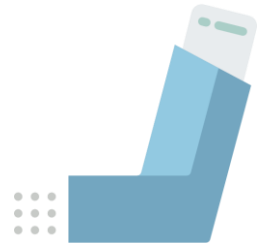


Plans for the future

- Potential interdisciplinary elective between SoM and SoP
 - Incorporating elective SoP previously had before the faculty member left
- Utilize PHRC to recommend curriculum changes
 - Provide as reference for researching faculty and Deans office
- Still working on networking and solidifying our group (legacy)

Room in Curriculum

- **Infectious Diseases Clinical Therapeutics Module:**
 - Vector ecology, parasitic diseases, antimicrobial resistance as a result of mismanaged pharma waste/manufacturing
- **Respiratory Clinical Therapeutics Module:**
 - Air pollution, allergens, inhaler propellants and the environment
- **Foundations Lab:**
 - Medication disposal counseling, advertising disposal services, accepted items, reducing PRN medications, asking about patient home meds
- **Biopharmaceutics:**
 - Inhaler component disposal (MDIs vs. DPIs/SMIs), medication containers and their disposal (#5 plastic, PP), FDA Environmental Risk Assessment as part of NDA process
- **Medicinal chemistry:**
 - Green chemistry, degradation by design (ACS Green Chemistry Institute)
- **IPEC: interprofessional responsibility**



Publicizing the Issues



- **Manuscript to Journal of Ethics**
 - Invited manuscript through medical student collaboration to contribute to a policy forum on the shared responsibility of medication disposal
 - Realizing that it's important to leverage pharmacist voices, as medication experts
- **Pharmacy Times Article**
 - In collaboration with UCWV SoP students, published an article on how pharmacy students can start initiatives then carry onto practice after graduation
- **APhA-Podcast**
 - In collaboration with OSU SoP, we were able to bring light into why sustainability matters in pharmacy and make it approachable
- **Addition of Pharmacy in the Global Consortium on Climate and Health Education**
 - More collaborations in events, sharing our pharmacy contacts, making events more interprofessional

Thank You!

Questions?



QR Code: <https://beacons.ai/sustainablepharmacyproject>

Email: vanmaanenb@vcu.edu hbaker2@vcu.edu

Instagram: [sustainablepharmacyproject](https://www.instagram.com/sustainablepharmacyproject)