



# CAREERS IN MICROBIOLOGY

Southern California Branch of American Society for Microbiology

Useful **LINKS** ↗

**\*Supplemental material for *The Careers in Microbiology Brochure*.** If you would like a copy of the brochure or would like to add a useful link to any of the categories listed, please email us at [scasmstudents@gmail.com](mailto:scasmstudents@gmail.com)

## ACADEMIA/ACADEMIC RESEARCH Useful **LINKS** ↗ AA

1. **List of Top Universities to Study Microbiology**  
<https://www.usnews.com/education/best-global-universities/microbiology>
2. **Oak Ridge Institute for Science and Education (ORISE)** - <https://orise.orau.gov/>
3. **Micronow** - <https://micronow.org/>
4. **American Society for Microbiology (ASM)** - <http://journals.asm.org/> ;  
<http://asmscience.org/content/journal/jmbe> ;  
<https://www.asm.org/index.php/graduate-school> ; <https://www.asm.org/index.php/asm-career-portal> ; <https://www.asm.org/index.php/in-the-classroom> ;  
<https://www.asm.org/index.php/asm-career-portal>
5. **School of Biological Sciences at UCI Minority Science Programs (MSP)** -  
<http://port.bio.uci.edu/about/>
6. **Bridges to PhD Programs (Bachelors to PhD)** - <http://port.bio.uci.edu/external-links/>
7. **Drexel University School of Medicine Summer Undergraduate Research Fellowship** -  
<http://drexel.edu/medicine/research/student-research/summer-undergraduate-research-fellowship/>
8. **Boyce Thompson Institute Internships** - <https://btiscience.org/education-outreach/internships/>

9. **Harvard University Division of Medicine Diversity Program Summer Undergraduate Research Program** - <http://dms.hms.harvard.edu/diversity/summer/SHURP.html>
10. **Loma Linda University Undergraduate Summer Internship** - <https://medicine.llu.edu/chdmm/education-and-training/undergraduate-training-program>
11. **John Hopkins University School of Medicine Summer Internship** - <https://www.hopkinsmedicine.org/education/graduate-programs/student-life/diversity/sip.html>
12. **Pasteur Foundation Internship/ Fellowship Program** - <http://www.pasteurfoundation.org/scientific-careers>
13. **Scripps Research Institute** - <https://education.scripps.edu/>
14. **UCLA Amgen Scholar Program** - <http://www.ugresearchsci.ucla.edu/amgenscholars.htm>
15. **University of Alabama Biomedical Summer Internship** - <http://www.uab.edu/medicine/sibs/>
16. **University of Pittsburg Biomedical Graduate Program** - <http://gradbiomed.pitt.edu/programs/molecular-virology-microbiology>
17. **University of Texas Undergraduate Fellowship** - <http://www.utsouthwestern.edu/education/graduate-school/programs/non-degree-programs/surf.html>
18. **University of California Institute for Mexico and the United States (UC MEXUS) Undergraduate, Graduate, Fellowship Program** - <http://ucmexus.ucr.edu/>
19. **SEA-PHAGES (Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science)** - <https://seaphages.org/>
20. **UCSD Extension** - <https://extension.ucsd.edu/courses-and-programs/sciences>

## **BIOTECHNOLOGY** Useful **LINKS** **BY**

1. **List of Diagnostic Biotechnology Companies**  
<https://biopharmguy.com/links/company-by-location-diagnostics.php>  
<https://www.biospace.com/article/top-10-companies-leading-biotech/>

2. **National Center for Biotechnology Information (NCBI)**  
<https://www.ncbi.nlm.nih.gov/>
3. **Biotechnology Institute**  
<http://www.biotechinstitute.org/go.cfm?do=page.view&pid=5>
4. **Internships**  
**Amgen** - <https://www.amgenbiotechexperience.com/> ; <http://www.amgenscholars.eu/us-program>  
**Cepheid** - <http://www.cepheid.com/us/careers/career-opportunities/internship-opportunities>  
**Genentech** - <https://www.gene.com/careers/university-and-early-career/interns-co-ops> ;  
<https://www.gene.com/careers/university-and-early-career/rotation-programs>  
**Roche** - <https://www.roche.com/careers/country/usa.htm>
5. **Apprenticeship and Employment Recruiting Agency** - <https://meirxrs.com/>
6. **Center for Microbiome Innovation** - <http://cmi.ucsd.edu/>
7. **UCSD Extension** - <https://extension.ucsd.edu/courses-and-programs/sciences>
8. **UCLA Amgen Scholar Program** - <http://www.ugresearchsci.ucla.edu/amgenscholars.htm>
9. **University of Alabama Biomedical Summer Internship** - <http://www.uab.edu/medicine/sibs/>
10. **University of Pittsburg Biomedical Graduate Program** -  
<http://gradbiomed.pitt.edu/programs/molecular-virology-microbiology>

## CLINICAL Useful **LINKS** CL

1. **California Clinical Laboratory Scientist (CLS) Trainee License (Bachelors/Masters Level)** - academic coursework, clinical training, and work experience.  
<https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/CLS-Trainee.aspx>
2. **California Clinical Microbiologist License (Doctoral Level)** - academic coursework, clinical training, and work experience.  
<https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/Director-Microbiologist.aspx>
3. The **American Board of Medical Microbiology (ABMM)** certifies doctoral-level microbiologists to direct medical and public health microbiology laboratories  
<https://www.asm.org/index.php/abmm-about>

4. **California Medical Laboratory Technician (MLT) license (Associate Level)** - academic coursework, clinical training, and work experience.  
<https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/MLT.aspx>
  
5. **California Approved Training Schools and Programs-** Clinical Laboratory Scientist (CLS), Medical Laboratory Technician (MLT), and Phlebotomy  
<https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/TrainingPrograms.aspx>
  
6. **American Society for Microbiology**  
<https://www.asm.org/>
  
7. **Antimicrobial Stewardship “Promoting Responsible Use of Antimicrobials”**
  - a. **Center for Disease Control (CDC)** - <https://www.cdc.gov/drugresistance/solutions-initiative/antibiotic-stewardship.html>
  - b. **World Health Organization (WHO)** - <http://www.who.int/antimicrobial-resistance/en/> ;  
<http://www.who.int/campaigns/world-antibiotic-awareness-week/2017/social-media/en/>
  - c. **bioMerieux** - <http://www.antimicrobial-resistance.biomerieux.com/>
  - d. **John Hopkins Medical Center** - <https://www.hopkinsmedicine.org/amp/>
  - e. **The Infectious Diseases Society of America (IDSA)** - <http://www.idsociety.org/Index.aspx>
  - f. **The Society for Healthcare Epidemiology of America (SHEA)** - <https://www.shea-online.org/>
  
8. **Microbes with Dr. Morgan: A Microbiology Review** - <http://www.microbeswithmorgan.com/>

**CONSULTING & MANAGEMENT** Useful **LINKS** ✎ CM

Not Available

**INFECTION CONTROL/BIOSAFETY** Useful **LINKS** ✎ IC

1. **American Biological Safety Association (ABSA)** - <https://absa.org/>
  
2. **Association for Professionals in Infection Control and Epidemiology (APIC)** - <https://apic.org/> ;  
<http://professionals.site.apic.org/>
  
3. **Certification Board of Infection Control and Epidemiology (CBIB)**  
- <http://www.cbic.org/certification/candidate-handbook/eligibility-requirements>

## INDUSTRIAL & ECOLOGICAL Useful **LINKS** IV

1. **Society for Industrial Microbiology and Biotechnology (SIMB)** - <http://www.simbhq.org/careers/career-information/>
2. **American Society for Microbiology (ASM) - CERTIFICATION** - <https://www.asm.org/index.php/professional-certification/nrcm>
3. **International Society for Microbial Ecology (ISME)** - <https://www.isme-microbes.org/jobs>
4. **Center for Microbiome Innovation** - <http://cmi.ucsd.edu/>
5. **NIAID Microbiome Program** - <https://www.niaid.nih.gov/research/microbiome-program>
6. **NIH Human Microbiome Project** - <https://hmpdacc.org/>
7. **UCLA Microbiome Center** - <http://www.microbiome.ucla.edu/>
8. **NIH Common Fund's Human Microbiome Project (HMP)** - <https://commonfund.nih.gov/hmp>
9. **UCI Microbiome Initiative** - <http://microbiome.uci.edu/about/>

## REGULATORY AGENCIES Useful **LINKS** RA

1. **Center for Disease Control (CDC)** - <https://jobs.cdc.gov/career-fields> ; <https://jobs.cdc.gov/Internship> - <https://jobs.cdc.gov/students>
2. **U.S. Department of Agriculture (USDA)** - <https://www.usda.gov/our-agency/careers>  
**Internship** - <https://www.dm.usda.gov/employ/student/index.htm>
3. **Environmental Protection Agency (EPA) - Internship** - <https://www.epa.gov/careers>
4. **Federal Drug Association (FDA)** - <https://www.fda.gov/AboutFDA/WorkingatFDA/default.htm>  
**Internship** - <https://www.fda.gov/aboutfda/workingatfda/fellowshipinternshipgraduatefacultyprograms/>
5. **National Institute of Health (NIH)** - <https://www.nih.gov/>  
**Internship** - <https://www.nih.gov/research-training>
6. **World Health Organization (WHO)** - <http://www.who.int/careers/en/>

7. **Pan American Health Association (PAHO)** -  
[http://www.paho.org/hq/index.php?option=com\\_content&view=article&id=1357&Itemid=1213&lang=en](http://www.paho.org/hq/index.php?option=com_content&view=article&id=1357&Itemid=1213&lang=en)
8. <http://www.csuperb.org/csubiocompass/csu-biocompass-home/csu-life-science-industry-responsive-programs/regulatory-affairs/>

## PUBLIC HEALTH Useful **LINKS** PH

1. **California Public Health Microbiologist (PHM)** - training and certification  
<https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/PublicHealth.aspx>
2. **California Association of Public Health Laboratory Directors (CAPHLD) Laboratory Listing** -  
[http://websites.networksolutions.com/share/scrapbook/74/745076/Laboratory\\_Listing\\_Report.pdf](http://websites.networksolutions.com/share/scrapbook/74/745076/Laboratory_Listing_Report.pdf)
3. **California Association of Public Health Laboratory Directors (CAPHLD)** -  
<http://www.caphld.org/>
4. **Association of Public Health Laboratories (APHL)** - <https://www.aphl.org/Pages/default.aspx>
5. **California Department of Public Health (CDPH) Careers** -  
<https://www.cdph.ca.gov/Programs/HRB/Pages/HumanResourcesBranch.aspx>
6. **California Department of Public Health Internships** -  
<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/VIP.aspx>
7. **American Public Health Association (APHA)** - <https://www.apha.org/professional-development>
8. **CDC Disease Detectives- Public Health Responders** - <https://www.cdc.gov/eis/index.html>
9. **CDC Public Health Grand Rounds** -  
[https://www.cdc.gov/cdcgrandrounds/?s\\_cid=grandrounds\\_002](https://www.cdc.gov/cdcgrandrounds/?s_cid=grandrounds_002)
10. **CDC Global Health** - <https://www.cdc.gov/globalhealth/index.html>
11. [http://www.caphld.org/images/PHM\\_Training\\_FAQ\\_2015.pdf](http://www.caphld.org/images/PHM_Training_FAQ_2015.pdf)
12. <https://www.apha.org/professional-development/public-health-careermart/schools-of-public-health>

13. <http://www.thatssick.org/>
14. <https://www.cdc.gov/publichealth101/index.html>
15. <https://www.cdc.gov/fellowships/index.html>
16. <https://www.cdc.gov/careerpaths/index.html>

## **Epidemiologist/Bioinformatics:**

17. <https://www.bls.gov/ooh/life-physical-and-social-science/epidemiologists.htm#tab-1>
18. <https://www.cdc.gov/eis/downloads/epidemiology-factsheet.pdf>
19. <https://www.cdc.gov/eis/downloads/eis-faq.pdf>
20. <https://www.cdc.gov/fellowships/index.html>
21. <https://www.cdc.gov/publichealth101/index.html>
22. <https://www.cdc.gov/careerpaths/index.html>
23. <http://www.csuperb.org/csubiocompass/csu-biocompass-home/csu-life-science-industry-responsive-programs/biological-medical-and-health-informatics/>

If you're interested in **INFECTIOUS DISEASE, MEDICAL  
MICROBIOLOGY OR PUBLIC HEALTH...**

*Check these links out*

1. <http://www.healthmap.org/en/>
2. <http://mycosesstudygroup.org/>
3. <https://www.cdc.gov/dpdx/az.htm>  
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4. [https://www.sciencedaily.com/news/health\\_medicine/](https://www.sciencedaily.com/news/health_medicine/)
5. <http://www.med-chem.com/parasite.php?url=home>
6. <https://mycology.adelaide.edu.au/virtual/>
7. [http://www.uphs.upenn.edu/bugdrug/antibiotic\\_manual/Gramstains/small/tocframeset1.htm](http://www.uphs.upenn.edu/bugdrug/antibiotic_manual/Gramstains/small/tocframeset1.htm)
8. <https://www.microbes.info/>
9. <https://www.cdc.gov/outbreaks/>
10. <https://www.ncbi.nlm.nih.gov/pubmed/>
11. <https://www.cdc.gov/mmwr/index.html>
12. <http://www.nejm.org/>
13. <https://wwwnc.cdc.gov/eid/>
14. <http://www.asv.org/>
15. <http://www.asm.org/>
16. <https://www.ncbi.nlm.nih.gov/>
17. <http://www.microbiologyresearch.org/>
18. <https://www.cellsalive.com/>
19. <http://www.scicentral.com/index.html>
20. <http://microbiologyonline.org/>
21. [http://www.virology.net/Big\\_Virology/BVHomePage.html](http://www.virology.net/Big_Virology/BVHomePage.html)
22. <http://microbiology Matters.com/>
23. <http://parasitewonders.blogspot.com/?m=1>



## *Cool* MEDICAL MICROBIOLOGY PODCASTS

<https://micronow.org/>

<http://www.microbe.tv/science-shows/>

<https://www.asm.org/index.php/podcasts>

<https://www.asm.org/index.php/public-outreach/microbes-after-hours>

## *SCASM* Student Membership

If you're interested in SCASM student membership, please visit the following link

<https://www.scasm.org/membership/become-a-member>

Annual membership for students is \$7. Student membership provides students with discounts on SCASM events and conferences.