BCM’s Career Development Center is pleased to offer the following compilation of resources designed to provide additional insights into many diverse career opportunities in the life science research enterprise as well as practical advice for preparing for these options.

For additional guidance, please schedule an appointment with the Career Development Center or drop in during regularly scheduled walk-in hours on Tuesdays and Thursdays from 4:00-6:00p.m. and Wednesdays from 10:00a.m.-12:00p.m.

BIOTECH & PHARMA – RESEARCH & DEVELOPMENT

Career Insights

- Biomedical Careers in Industry: A Few Tips for the Newcomer (ASBMB)
- Break into the biotech industry (New Scientist)
- How to ask the right questions when transitioning from academia to industry (Nature Jobs)
- How to find a job in biotech and resume/CV tips (LabSpaces)
- Interested in an industry job? Internships during Your PhD Training Are Key (American Society for Cell Biology)
- Landing a job in pharma (The Scientist)
- Mythbusting for academics: considering a job in biotech/pharma (Science)
- Successfully Making Transitions Between Academia and Industry (American Physiological Society)
- Job spotlight: From Academic to Biotech (The Science Explorer)
- The Best of Both Worlds (The Scientist)
- When a PhD isn’t enough (Nature Jobs)

Industry Postdoctoral Fellowships

Amgen, AstraZeneca, Genentech, GSK, Johnson & Johnson, Lilly Innovation Fellowship Award, Merck, Novartis, Pfizer

Articles related to industry postdocs:

- A different kind of postdoc experience (Science)
- Industrial endeavors (Nature Jobs)
- The postdoc series: Postdocs in industry (Nature Jobs)

Professional Associations and Industry News

- Biotechnology Innovation Organization (Bio)
- BioAustin
- BioHouston
- BioSpace
- Fierce Biotech
- Houston Business Journal
- Texas Biotech Company Directory
- Women in Bio
- Xconomy
BioHouston – Non-profit corporation founded by Houston area academic/research institutions working to establish the Houston region as a vigorous global competitor in life science and biotechnology commercialization. Subscribe to BioHouston’s email newsletter to receive information on upcoming events and news impacting the Houston and Texas life science industry.

Enventure – “Houston’s home for entrepreneurs”. Networking opportunities and professional development events

The Role of Physicians, Scientists, and Engineers in High-tech Startups – Pragmatic, experienced-based course describes the venture capital process, the formation and capitalization of high-tech companies, sources of technologies, role of tech transfer at universities and medical schools, startup operational issues, role of VCs and board members, execution time frames, the liquidity process, IPOs and mergers, and payout prospects for founders and investors.

Texas Life Science Forum - Annual event that provides an overview on the current state of life sciences in Texas. Meet with companies and network with others interested in working in industry.

Life Science Professionals Networking Meetup – A meetup group that hosts networking events and discussions related to careers in industry

Start-Up Career Fair – Career fair hosted by TMCx, Rice Alliance, University of Houston and Red Labs featuring job and internship opportunities at Houston area start-ups

BIOPHARMA – SUPPORT SPECIALISTS

Additional job titles include: Field Applications Specialist, Customer Support Specialist, and Technical Support Specialist, Applications Specialist. Related opportunities include Product Management

Career Insights

• From Research to Customer Support Specialist – A Journey to the (no so) Dark Side (Science Careers)
• Scientific Applications Specialist: A Great Transition Job from Academia to Industry (Bio Careers)
• The Applications Scientist Career Track (Science)

BIOPHARMA – MEDICAL SCIENCE LIAISON

Career Insights

• Breaking Into the Medical Science Liaison Profession: Catch 22 (MSL Institute)
• Interview with Medical Science Liaison (Integrative Academic Solutions Tumblr)
• How to Find Your Medical Science Liaison (MSL) Job (RXE Consult)
• An insight into the emerging role of regional medical advisor in the pharmaceutical industry (Perspect Clin Res.)
• Medical science liaison vs medical writing – making a career choice (Podcast)

Transition Stories

• Medical Science Liaison (Scitable by Nature Education)

Professional Associations and Industry News

• Medical Science Liaison Society
• Medical Science Liaison Institute
• DIA (The Drug Information Association)
COMMUNICATIONS – EDITING & PUBLISHING

Career Insights and Transition Advice

- A Career in Science Editing (SfN, YouTube)
- A view (and a career) from the other side of scientific publishing (Slideshow)
- Careers in Science Editing: An Overview to Use or Share (Council of Science Editors)
- Editing as a Scientific Career (Science)

Transition Stories

- My journey to scientific editing (the NODE)
- Scientific Editing (Nature Education)
- A publisher relates his transition from academic research to scientific publishing (Elsevier)
- From Bench to the Great Unknown: Career Transition into the World of Scientific Publishing (Association for Women in Science)

Additional Preparation Advice

- Council of Science Editors Certificate Program. This program is for professionals interested in making a career in scholarly publishing, the certificate program will provide a solid basis on the fundamentals as well as challenging them to creatively tackle emerging issues.

Houston Events | Networking | Additional Training Opportunities

- Houston employer: BioScience Writers was established in 2001 to assist scientists around the world achieve publishing and funding success. Each year the company serves authors from more than 180 countries and edit documents submitted to over 1000 different scientific, technical, and medical journals.

COMMUNICATIONS – MEDICAL WRITING

Career Insights

- How to become a medical writer: A guide to getting started in medical communications (Medcommsnetworking.com)
- Careers in Medical Writing: Opening Doors (Science Careers)
- Careers in Medical Writing (UChicago presentation)
- The life of a medical writer - tips for people considering a medical writing career (LinkedIn/Slideshow)
- Tooling Up: The Medical Writing and Corporate Intelligence Career Tracks (Science)
- Medical writing in a contract research organization (EMWA)
- MedicalWritersSpeak’s podcast (available in iTunes)
- Got My PhD! Now What? Medical Communications, The Intersection Between Science and Writing (Athens Observer)
- How to Become a Competent Medical Writer? (Perspect Clin Res.)
- Working as a Medical Writer (Science)
- AMWA Toolkit for New Medical Writers

Transition Stories

- From Physician to Medical Writer (Doctor’s Crossing)
- Leaving the Bedside to Explore a New and Exciting Career Path (Lead Doc blog)
- A chemist’s journey through academia, government, industry, and into medical writing (Chemical & Engineering News)
American Medical Writers Association (AMWA)
American Medical Writers Association (AMWA) Southwest Chapter (NM, OK, AK, LA and TX)
Networking 101 for Medical Writers (biotech ink spots blog)
Medical Technology and Evaluation (Coursera) – Fee based course designed to provide understanding of the analytic tools needed to evaluate medical technologies

COMMUNICATIONS – SCIENTIFIC WRITING

Career Insights
- On the Origin of Science Writers (Discover Magazine)

Transition Stories
- Trading the Pipette for the Pen (LinkedIn blog)
- Interview with Science Writer for ASBMB Today

CONSULTING

Career Insights
- Getting Started With Consulting (Bio Careers)
- Careers in the Healthcare Administration and Consulting

Houston Events | Networking & Training Opportunities
- Consulting Club at The Texas Medical Center

ENTREPRENEURSHIP

Career Insights
- The Graduate Entrepreneur: How to Start a Startup during your PhD (Immpress Magazine)
- Why Physicians Are Turning to Startups (Forbes)

Transition Stories
- My Journey from Physician to Entrepreneur to Executive (McKesson)
- From the PhD to Entrepreneur (NY Academy of Sciences)

Houston Events | Networking | Additional Training Opportunities
- Enventures – “Houston’s home for entrepreneurs”. Networking opportunities and professional development events
- Rice Business Plan Competition – “World’s richest and largest student startup competition”. The RBPC is a unique experiential learning opportunity for graduate-level students (MBAs, PhDs, etc.). The RBPC is designed to give student startups the real-world experience of fine-tuning their business plans and pitching to investors. The teams will present their ideas to more than 300 venture capitalists, angel investors, entrepreneurs, and other industry leaders, whose judging criteria is to rank the teams based on which company they would most likely invest. Throughout the three-day competition, the RBPC provides unparalleled access to mentoring, feedback, and networking opportunities with this world-class group of judges.
- TiE Houston - on-profit, global community welcoming entrepreneurs from all over the world
- Houston Technology Center – the Hub of Houston’s early stage technology entrepreneurship
Open Houston - Advancing entrepreneurship is part of the fundamental potential mission of OPEN Houston. In an effort to ensure that OPEN Houston’s Membership as well as the Houston business community has access to the entrepreneurial resources they need to be successful, OPEN organizes entrepreneurship roundtable and forum meetings.

The Role of Physicians, Scientists, and Engineers in High-tech Startups – Pragmatic, experienced-based course describes the venture capital process, the formation and capitalization of high-tech companies, sources of technologies, role of tech transfer at universities and medical schools, startup operational issues, role of VCs and board members, execution time frames, the liquidity process, IPOs and mergers, and payout prospects for founders and investors.

Turn Your Idea into a Funded Business (Coursera) – Fee-based course offered by Wharton’s Entrepreneurship Specialization covers the conception, design, organization, and management of new enterprises.

Ellevate

INTELLECTUAL PROPERTY LAW

Career Insights

- Working in Intellectual Property Law Without a Law Degree (Science)
- Careers in Patent Law (Science)
- Alternative Careers for Scientists and Engineers – Patent Law (PhD Career Guide)
- From Bench to Bar: Careers in Patent Law for Molecular Biologists (ASCB)
- Have a science degree? Become a patent lawyer (NY Times)
- Getting Started with patent Law (Bio Careers)
- Chemistry and the Law (American Chemical Society)

Transition Stories

- Swapping the lab for the law (Nature)

Houston Events | Networking & Training Opportunities

- Pharmaceutical and Medical Devise Innovations (Coursera) – Fee based courses that provides an-depth view of the intellectual property creation that is vital to creating breakthrough technologies.
- The Role of Physicians, Scientists, and Engineers in High-tech Startups – Pragmatic, experienced-based course describes the venture capital process, the formation and capitalization of high-tech companies, sources of technologies, role of tech transfer at universities and medical schools, startup operational issues, role of VCs and board members, execution time frames, the liquidity process, IPOs and mergers, and payout prospects for founders and investors.

POLICY

Career Insights

- Careers for Scientists - Scientific Policy (BitesizeBio)
- Career Options Series: Science Policy (NIH OITE Careers blog)
- Science Policy Overview (American Chemical Society)
- So You Want to Be a Science Policy Wonk? (The NIH Catalyst)
- The skills you need for a career in science policy (ASBMB Today)

Transition Stories

- From Bench Science to Policy Analyst (Vitae)
- From the Bench To a Career in Science Policy (BioInsights)
- Jumping into the policy puddle (Frontiers in Ecology and the Environment)
- Plans of Mice and Men: From Bench Science to Science Policy (Yale J Bio Med)
• How do you do that? Going from foreign postdoc to science policy analyst (ASBMB)

**Internship Opportunities**

- AAAS Dialogue on Science, Ethics, and Religion (DoSER) Internship
- Office of Government Relations Internship
- Research!America Science Policy Internship

**Fellowships and Training Opportunities**

- AAAS Science & Technology Fellowship
- American Association of Nurse Practitioners (AANP) Health Policy Fellowship
- American Society for Biochemistry and Molecular Biology (ASBMB) Science Policy Fellowship Program
- American Society of Human Genetics (ASHG) and the National Human Genome Research Institute (NHGRI)
- American Society for Microbiology (ASM) Congressional Science Fellowship
- Avalere’s FDA Fellowship Program
- California Council on Science and Technology (CCST) Policy Fellowship
- Christine Mirzayan Science & Technology Policy Graduate Fellowship Program
- Commonwealth Fund Mongan Fellowship in Minority Health Policy
- Health and Aging Policy Fellows
- Hellman Fellowship in Science and Technology Policy
- Jefferson Science Fellowship
- National Center for Health Statistics (NCHS)/AcademyHealth Health Policy Fellowship
- Philip R. Lee Health Policy Fellowship Program
- Research!America Science Policy Fellowship
- Robert Wood Johnson Foundation Health Policy Fellows
- Science, Technology, and Public Policy (STPP) at Harvard’s Belfer Center for Science and International Affairs
- Villers Fellowship for Health Care Justice
- Wellstone Fellowship
- White House Fellows Program

**Houston Events | Networking & Training Opportunities**

- Rice University’s Baker Institute for Public Policy calendar of events

**Additional Preparation Advice | Miscellaneous**

- Participate in “Hill Day”. Most professional societies offer opportunities to engage with Congressional leaders in Washington, D.C. to promote research/healthcare. Here is a link to the American Society for Biochemistry and Molecular Biology’s Student/Postdoc Hill Day. Inquire further with your respective professional societies.
- Not your standard advocacy (ASBMB)

**STEM EDUCATION & SCIENCE OUTREACH**

**Career Insights**

- Transitioning from Researcher to Outreacher
- How to get a job in science education and outreach (NIH OITE blog)
- Spreading the Love: Science Outreach and Education Jobs – blog
- A career at the museum (Nature)
- Careers for Ph.D.’s in museums (Chronicle of Higher Education)
• **From bench to museum - an unlikely journey** (Mol Biol Cell)
• **Getting a museum job** (Museum Planner blog)
• **So you think you want to work in a museum** (blog)

**TECHNOLOGY TRANSFER**

**Career Insights**

• **Breaking Into Technology Transfer**
• **Careers in Technology Transfer**
• **Interview** with Kelly Sivertson Parsons

**Professional Associations and Industry News**

• **NIH Technology Transfer**
• **Association of University Technology Managers (AUTM)**
• **Licensing Executive Society (LES) USA & Canada**
• **Federal Lab Consortium**
• **Techno-L Listserv**

**VENTURE CAPITAL**

**Career Insights**

• **Thoughts from a Pioneer Physician in the Venture Capital World** (LeadDoc blog)
• **Getting Started with Finance & Venture Capital** (Biocareers)
• **Preparing for a Career in Venture Capital** (Science)
• **So you want to be a venture capitalist** (Nature Biotechnology)
• **The career path to venture capital** (Nature’s Boston Blog)
• **Venture Capital** (PhD Career Guide)
• **Yet Another (ex-)VC blog**

**Transition Stories**

• **Benchside to business** (Nature)
• **Outside of Academia: Venture Capital Management** (genomeweb)
• **Opportunities for Physicians in Venture Capital**

**Professional Associations and Industry News**

• **Top Venture Capital Firms** (Fierce Biotech)