3M is seeking PhD/Post Doc Scientists/Engineers for Research and Development (R&D) roles to begin working in 2023 upon completion of graduate/post-graduate requirements. You are encouraged to apply, if you have or are pursuing a PhD in biological and physical sciences or engineering. These include but are not limited to the following:

- Biomedical Engineering/Biological Sciences
- Chemistry (any field)
- Chemical Engineering
- Electrical Engineering
- Material/Macromolecular/Polymer Science
- Mechanical Engineering

**Collaborate with Innovative 3Mers Around the World**
Choosing where to start and grow your career has a major impact on your professional and personal life, so it’s equally important you know that the company that you choose to work at, and its leaders, will support and guide you. With a diversity of people, global locations, technologies and products, 3M is a place where you can collaborate with 96,000 other curious, creative 3Mers.

“A long-lasting career at 3M comes from having vision, imagination and the ability to see what doesn’t exist. 3Mers are groundbreaking innovators and it’s important that we give every person the space for disruptive and creative thinking.” – John Banovetz, senior vice president and chief technology officer at 3M

**The Impact You’ll Make in this Role:**
As a Senior Researcher you will have the opportunity to tap into your curiosity and collaborate with some of the most innovative and diverse people around the company. You will develop and advance 3M’s 51 technology platforms, used to create new products to solve customer problems across many business segments and end markets.

At 3M, you will have the opportunity to advance key materials and process technologies that include:

- Nanomaterials, metamaterials, advanced composites, biomaterials, optical coatings, and adhesives
- Microreplication, additive manufacturing, advanced robotics, nonwovens, polymer processing, chemical processing, precision coating, surface modification, and analytical sciences

Or you may work on teams that leverage 3M technologies used to create new to the world products that solve problems for 3M customers globally. These include:

- Medical products such as respirators, oral care composites, biopharmaceutical filtration, medical tapes and dressings
- Consumer products for office supply, construction and home improvement, home care, and consumer health care
- Electronic products used in consumer electronics (TV’s, smartphones, etc), 5G, super computers, and many more electronic applications.
- Safety, industrial, and automotive products

3M offers over 55,000 products that are helping customers in end markets such as consumer electronics, medical care, industrial manufacturing, and safety products.
Here you will make an impact by:

- Inventing technologies and capabilities that create and enable new products and product platforms
- Communicating results through high quality technical reports, presentations, publications, and patent applications
- Monitoring advances in field of expertise and maintain awareness of competitive technologies
- Collaborating with global research teams across the company

Your Skills and Expertise
To set you up for success in this role from day one, 3M is looking for candidates who must have the following qualifications:

- Currently possess or are in the last year of pursuing a Ph.D. Doctoral program, or a Post-Doctoral fellowship, in science or engineering from an accredited institution

Additional qualifications that could help you succeed further in this role include:

- Expertise in at least one of the following: mechatronics, metamaterials, optical materials, precision patterning and coating, adhesives, polymer physics, polymer processing, emulsion polymerization, radiation curing, polymer synthesis, organic synthesis, chemical process design, high throughput chemistry, computational chemistry, materials informatics, polymer characterization, rheology, mass spectrometry, optics, atomic force microscopy, nanomechanical characterization, spectroscopy, flow simulation, viscoelastic fluid mechanics, computational fluid dynamics, data analytics, bioanalysis, molecular biology, biochemistry, gene expression, immunology, microbiology, wound healing
- Highly skilled in data analysis and the use of designed experiments
- Strong scientific and technical acumen, with demonstrated interest and ability to make connections between science/technology and real-world concerns
- Strong problem-solving abilities
- Ability to deal with the ambiguity of early-stage scouting and evaluation of new opportunities and the flexibility to change direction as additional information becomes available
- Demonstrated scientific excellence as evidenced by publications and presentations
- Demonstrated leadership and networking skills
- Self-motivated and self-directed
- Excellent communication skills (oral, written and presentation)

Travel: May include up to 10% domestic/international
Relocation Assistance: May be authorized

Responsibilities of this position may include direct and/or indirect physical or logical access to information, systems, technologies subjected to the regulations/compliance with U.S. Export Control Laws.

U.S. Export Control laws and U.S. Government Department of Defense contracts and sub-contracts impose certain restrictions on companies and their ability to share export-controlled and other technology and services with certain "non-U.S. persons" (persons who are not U.S. citizens or nationals, lawful permanent residents of the U.S., refugees, "Temporary Residents" (granted Amnesty or Special Agricultural Worker provisions), or persons granted asylum (but excluding persons in nonimmigrant status such as H-1B, L-1, F-1, etc.) or non-U.S. citizens.

To comply with these laws, and in conjunction with the review of candidates for those positions within 3M that may present access to export controlled technical data, 3M must assess employees’ U.S. person status, as
well as citizenship(s).

The questions asked in this application are intended to assess this and will be used for evaluation purposes only. Failure to provide the necessary information in this regard will result in our inability to consider you further for this particular position. The decision whether or not to file or pursue an export license application is at 3M Company’s sole election.

Supporting Your Well-being
3M offers many programs to help you live your best life – both physically and financially. To ensure competitive pay and benefits, 3M regularly benchmarks with other companies that are comparable in size and scope.

Resources for You
For more details on what happens before, during and after the interview process, check out the Insights for Candidates page at 3M.com/careers.

3M is an equal opportunity employer. 3M will not discriminate against any applicant for employment on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or veteran status.