



2825 Broadbent Pkwy, Unit A  
Albuquerque, NM 87107

**Yongqian Gao**  
Research Scientist  
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Job Title: Senior Technologist – Materials Processing & Characterization  
Location: Albuquerque, NM  
Effort: Full-time employee  
Category: 1-yr contract, renewable  
Start Date: Immediately  
Applications: Send CV and list of 3 professional references to [ygao@memzyme.org](mailto:ygao@memzyme.org)

A team of dedicated experts led by Dr. Yongqian Gao is seeking a highly motivated post-baccalaureate degree scientist to work on processing and characterizing a new bio-inspired material developed to capture carbon dioxide (CO<sub>2</sub>). Are you ready for a challenge and willing to do creative research? Join this diverse and passionate team to achieve success while making a difference.

#### **What Your Job Will Be Like**

- Synthesize or characterize a new material; use atomic layer deposition, evaporation-assisted self-assembly of sol-gels, sputtering, atomic force microscopy (AFM), transmission electron microscope (TEM), or scanning electron microscope (SEM) under the mentorship of world-leading experts in the field
- Work independently and as an active and efficient teammate
- Write reports and contribute to manuscripts for publication in peer-reviewed journals

#### **Qualifications We Require**

- B.S., Masters or Ph.D., used actively within 5 years of employment, in Materials Science, Chemical Engineering, Physics, Chemistry, or a related field

#### **Qualifications We Desire**

- Experience in material fabrication and modification (e.g., ceramics, anodizing, sol-gels, atomic layer deposition)
- Experience in materials characterization (e.g., AFM, TEM, SEM)
- Proven ability to perform independent research and work as a team member
- Good communications skills, as evidenced by a record of publications in peer-reviewed journals and external presentations at scientific conferences

**Position Information**

This senior technologist position is a temporary position for up to one year, and may be renewed up to five additional years. Individuals in technologist positions may bid on regular staff scientist positions, depending on availability of funds and satisfactory job performance.

**About Our Team**

Memzyme, LLC is a small start-up company established in 2017 by scientists from Sandia National Laboratories and the University of New Mexico. The company is located in Albuquerque, New Mexico, near two national labs (Sandia and Los Alamos), a university (UNM), and a user center funded by the Department of Energy (Center for Integrated Nanotechnologies -- CINT). The company manufactures membranes for low-cost separations of liquid and gas mixtures important to the energy industry. The company is currently focused on commercializing a cutting-edge membrane for low-cost CO<sub>2</sub> capture from industrial gas streams, a technology with origins at Sandia and UNM. To learn more, visit [www.memzyme.org](http://www.memzyme.org).

**Why We Love Our Jobs**

- Challenging work with world-wide impact to the health of our planet and all its inhabitants
- Extraordinary co-workers
- Small and nurturing team environment
- Independence
- Access to some of the best tools, equipment, and research facilities in the world
- Career advancement opportunity while contributing to the growth of a small business
- Flexible schedules, support for work/life balance

**Equal Employment Opportunity**

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

**Application**

Send your CV and a list of 3 professional references to Dr. Yongqian Gao ([ygao@memzyme.org](mailto:ygao@memzyme.org)).