Azitra is a preclinical-stage biotechnology company, located in Farmington CT. The company is developing novel skin therapeutics using a microbiome-based platform to deliver innovative, inexpensive, and sustainable treatments for skin disease. We are addressing skin conditions ranging from atopic dermatitis to Netherton syndrome to MRSA skin infections using our proprietary bacterial platform engineered to deliver therapeutic proteins. Our work is supported by NIH grants, private grants, and venture-backed financing. Azitra is also engaged in multiple collaborations with leading scientists from Yale University, Jackson Labs, and the University of Connecticut.

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Senior Scientist – Molecular Microbiologist Microbiology/Molecular Biology of Human Skin Microbiome</th>
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</thead>
<tbody>
<tr>
<td>Department/Group:</td>
<td>Research and Development</td>
</tr>
<tr>
<td>Location:</td>
<td>Farmington, CT</td>
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<tr>
<td>Level/Salary Range:</td>
<td>Commensurate with experience</td>
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</tbody>
</table>

**EMAIL:**
jobs@azitrainc.com

Subject Line: Senior Scientist – Molecular Microbiologist Microbiology/Molecular Biology of Human Skin Microbiome

**MAIL:**
Richard Andrews
Azitra, Inc.
Room 1836 CB126
400 Farmington Ave
Farmington, CT 06032

**Job Description**

The successful candidate will join our R & D team and have the responsibilities of designing, engineering and optimizing commensal bacterial strains for our proprietary skin microbiome platform.
ROLES AND RESPONSIBILITIES

- Independently design and engineer Gram-negative and Gram-positive bacteria to optimally express specific phenotypes and recombinant proteins.
- Conduct experiments to characterize the *in vitro* and *in vivo* properties of constructed bacterial strains.
- Propose and prioritize next steps for strain improvement, and systematically trouble-shoot technical hurdles.
- As appropriate, identify, pursue, and implement new technologies to support and expand internal capabilities.
- Constructively contribute new ideas, suggestions, insights at project meetings, as well as ad hoc.
- Support internal and external collaborations.
- Record and present data in well-organized written and oral formats.
- Write study reports and draft manuscripts.
- Work effectively in a highly collaborative team environment.
- Attend and present at internal and external meetings/conferences as required.
- May manage junior scientists and/or interns.

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- A background in molecular microbiology, experience in prokaryotic recombinant gene expression, bacterial physiology, genetics and strain construction.
- Familiarity with handling BSL-2 bacteria, mammalian cell culture, and sterile technique.
- Experience in the development and performance of biochemical and mammalian/bacterial cell-based assays.
- The ability to design/troubleshoot/validate assays, and critically analyze assay data.
- Excellent technical and computer skills; familiarity with current molecular techniques and software, including the ability to design/construct plasmids, genetically manipulate bacterial strains, and analyze sequence data for cloning purposes. Routine experience with Western blots, ELISAs, PCR, qPCR.
- Ability to work with database-related software to manage and capture study data.
- PhD + 2 years, or MS + 5 years, degree in biology, microbiology, molecular biology, genetics, or biotechnology.
- Prior experience in recombinant gene expression in bacteria, proficiency in cloning/plasmid construction, and bacterial strain construction are absolutely required. Knowledge of bacterial physiology, genetics and experience with Gram-positive bacteria are highly desired. Experience working with skin commensal bacteria a plus.