**About Willow Biosciences:**

Our multidisciplinary team of world-leading discovery biologists, biochemists, geneticists, and fermentation process engineers are dedicated to harnessing the therapeutic potential of plants. We are applying our unique design-build process and our proven track record to the biosynthesis of cannabinoids.

**Join our team:**

It's fun to work in a company where people truly believe in what they are doing. At Willow Biosciences, we are committed to developing high-purity, plant derived ingredients for cosmetics, food, and pharmaceutical products. We work hard, we're serious about what we do, and we like to have fun too.

**Job Listing: Scientist/Senior Scientist, Chemistry:**

We are seeking an experienced Scientist/Senior Scientist, Chemistry to develop enzyme-based processes for biosynthetic production of plant derived molecules. This individual will have a strong chemistry or biochemistry background and in-depth knowledge of process development using enzymes.

**Education:** MS with 3 years working experience or PhD in chemistry, biochemistry, biocatalysis or a related field.

**Job Description:**

- Design and carry out experiments in medium to high throughput
- Design, establish and validate scalable and safe chemical processes leadings to pharmaceutical intermediates, API's and other value-added chemical products
- Interacting with Assay Scientists and Molecular Biologists in characterizing and optimizing enzyme and process parameters
- Synthesis of organic substrates, intermediates and products, as required
- Proper record keeping and data analysis
- Preparation of documentation for tech transfer of chemical process
- Effectively communicate/present work and analysis to audiences with diverse technical backgrounds.
- Offer strategic recommendations based on interpretation of data for strain and enzyme engineering decisions
- Mentor Research Associates
- Evaluate new technologies that will further advance/enable project goals
- Work in partnership with lab scientists (strain engineers, enzyme engineers, computational biologists and fermentation scientists) to identify, develop, and apply new synthetic biology & genome engineering tools to meet company goals/milestones.

**Required Skills:**

- The candidate should have extensive knowledge of either organic chemistry (chirality, catalysis, kinetics, analytical, synthesis) or synthetic biochemistry (enzyme kinetics, enzyme inhibition) in addition to strong organic chemistry skills (chirality, synthesis and purification)
- Knowledge and use of analytical instrumentation (HPLC, GC, MS)
- Relevant full-time biotech or pharmaceutical industry experience within R&D or manufacturing
- Understanding of process chemistry (reaction up-scaling, safety, and downstream processing); design of experiments (DoE) implementation; molecular and directed evolution are useful but not essential
- Other requirements: ability to work in highly parallel manner, ability to work in a multi-disciplinary team; critical thinking and attention to detail; ability to plan, prioritize responsibilities and multi-task; excellent housekeeping and safety practices; excellent communication, documentation and organization skills.

**Physical Demands:**

- Remaining in a seated or standing position for extended periods
- Performing repetitive tasks with hands, fingers, and wrists
- Use of standard lab PPE (lab coats, safety glasses and gloves)

**Position Type:**

- Full-time position
Travel:
  • No

Work Authorization:
  • Authorized to work in the US

Benefits and Perks:
  • Healthcare benefits – medical, vision, dental
  • Paid vacation and company holidays
  • Life / AD&D, Short-term and Long-term Disability Insurance
  • 401k
  • Flexible schedule
  • Opportunities for professional development
  • Snacks, weekly lunch, happy hours, company and team wide social events

Equal Opportunity Employment:
  • Willow Biosciences is an equal opportunity and affirmative action employer. We are committed to creating an inclusive environment for all employees. We do not discriminate based upon race, religion, color, gender, sexual orientation, gender identity, age, status as a protected veteran, status as an individual with a disability, or any other applicable legally protected characteristics. All employment is decided on the basis of qualifications, merit and business need.