

	Head of Biology Profile
	December 2011

Antabio is a start-up biotech company founded in 2009, whose goal is to deliver innovative therapies against drug-resistant bacterial infections by targeting key virulence pathways. Antabio's proprietary screening platform is built around a master regulator of Gram-negative virulence, and screening campaigns for small molecular-weight inhibitors of this master virulence regulator are underway. Hits with appropriate *in vitro* activities and "drug-like" properties are being collected and prioritized for lead identification.

We are seeking a "Head of Biology" to assume responsibility for this program. The qualified individual will be an accomplished scientist with strong microbiology and biochemistry skills who can quickly and decisively resolve issues arising during the drug discovery process. The successful candidate must have demonstrable experience supervising technicians and Ph.D.-level scientists as well as a successful track record of project team leadership, and is expected to apply his/her technical knowledge and interpersonal skills towards planning and directing the activities of CROs to whom aspects of Antabio's research are outsourced.

Major responsibilities

- Coordinating with the CSO *vis-à-vis* definition of objectives, assignment of tasks, and management of laboratory activities.
- Coaching and mentoring staff, with the aim of increasing their autonomy, motivation, and productivity.
- Supervising and auditing laboratory notebooks and interim/progress reports, and preparing annual personnel assessments.
- Evaluating progress of research programs and taking appropriate measures to achieve preset goals in a timely manner.
- Identifying, implementing, and steering additional/follow-up antimicrobial projects, from target selection to clinical candidate selection, including design of appropriate screening tools.
- Hands-on participation in and monitoring of microbiological, biochemical, and related activities to support target product profiles for *all* active projects.
- Assisting the CSO in establishing and managing collaborations and outsourced studies by international experts or CROs and liaising with key opinion leaders.
- Participation in scientific presentations to potential out-licensing partners and at national and international venues.
- Participation in the preparation, critical review, and update of regulatory documents (Investigators' Brochures, IND applications, IMPDs) and scientific publications (abstracts, posters, papers).
- Keeping a close watch of ongoing developments in antibacterial chemotherapy ("competitive intelligence").

Requirements

- Postdoctoral experience in microbial genetics and/or microbial physiology, with strong interests in clinical microbiology, immunology, ADMET of anti-infectives, and/or animal models of infectious diseases.
- Successful industrial experience with hit identification using HTS/UHTS, lead optimization, and clinical candidate selection, including whole cell and enzyme assay development, and measurement of enzyme kinetics.
- Hands-on laboratory skills including (but not restricted to) antimicrobial susceptibility testing, anti-

infectives PK/PD, bacterial virulence mechanisms (including biofilms), and determination of antibiotic modes of action and resistance

- Successful leadership of coordinated multidisciplinary drug discovery project teams (“multidimensional optimization”), preferably in the antibiotic arena.
- Outstanding communication skills in English. (A functional knowledge of French is a “plus”.)
- Prepare disclosures for patent applications and drafts of scientific publications.
- Occasional national and international travel to CROs involved in Antabio’s drug discovery programs.
- Personal qualities:
 - Extremely goal-oriented, with excellent organizational and time management skills.
 - Very adept at multitasking and meeting deadlines under pressure.
 - Objectivity and maturity in judgment.
 - Ability to gather input, then make and communicate clear decisions and direction.
 - Ability to adapt processes and teams to meet changing needs.