

AquaBioTech Group – Internships

The AquaBioTech Group is an international consulting company strategically located in the centre of the Mediterranean on the island of Malta, although operating globally with clients and projects in over fifty-five countries. The AquaBioTech Group undertakes a variety of aquaculture, fisheries and aquatic environmental projects through its regional offices and selected partners throughout the world. The vast majority of the company's work is related to the marine or aquatic environment, encompassing aquaculture developments, market research / intelligence, through to project feasibility assessments, finance acquisition, project management, technology sourcing and technical support and training.

The AquaBioTech Group actively encourages students and post-graduates to undertake training sessions at our company so as to gain valuable practical, applied and hands-on experience. Interns receive no remuneration. Costs of travel, accommodation and living expenses are the responsibility of interns or their sponsoring institutions. The company can assist regarding accommodation in Malta.

The positions are full time (42.5 hours/week).

Find the Erasmusintern.org profile of AquaBioTech Group here:

<https://erasmusintern.org/profile-recruiter/844>

If you are interested in applying for an internship, please send your CV in our template to admin@aquabt.com with the desired internship as the subject line.

Example: *Internship application – Marketing and Business Development*



For more information about the AquaBioTech Group please visit our website: www.aquabt.com

Marketing and Business Development

Business Development

- Supporting the Business Development Team in all areas of the department
- Assisting on various projects in marketing and data research
- Being able to multi-task, prioritize, and follow tight deadlines

Marketing

- Prepare a budget.
- Create support materials, such as charts, graphs, or other visuals.
- Plan and coordinate an event or meeting.
- Generate a marketing plan, financial forecast, or other report.
- Produce a video or slide presentation.
- Perform a study or survey; analyse and present results.
- Write internal communications.
- Help screen and train replacement interns prior to departure.
- Accompany employees to client, sales, or other outside meetings; have them take an observer role
- Create a proposal on a potential social media strategy, evaluate various social media platforms.

IT skills would be a plus

- Updates on website through CMS.
- Graphic design using Adobe software (such as posters, brochures and adverts).

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Administrative Assistant

Duties may include fielding telephone calls, receiving and directing visitors, word processing, creating spreadsheets and presentations, and filing. Extensive software skills, Internet research abilities and strong communication skills are required.

More specifically during his internship the student will be requested to undertake tasks related to:

- Document preparation including formatting and editing of Word documents and Excel tables, data entry, organizing/filing documents etc.
- Support in communication/correspondence with external suppliers for collection and delivery of products, services and utilities required for the day-to-day running of the office;
- Support in organising internal and external meetings, scheduling appointments.

As a minimum, English languages at or near native level (both in oral and written communication). Fluency in an additional European language will be a distinct advantage.

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Graphic Design

The person will be involved in all aspects of the Marketing and Business Development Department and will be connected to the IT Development in order to design our marketing supports.

More specifically during the internship the student will be requested to undertake tasks related to:

Design & marketing

- Solid InDesign, Photoshop, and Illustrator skills
- Supporting design and production of marketing supports such as flyers, brochures, banners, etc.
- Web marketing: be able to maintain our social network pages updated
- Photography skills would be considered as an asset

IT (would be considered as an asset)

- Assist in coding (HTML / CSS)
- Updates on website through CMS
- Other IT skills related to computer systems maintenance

Please note that all applicants should provide a portfolio to be considered for the position.

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Web Development

The person will be involved in all aspects of the Web Development and will be connected to the Business Development Department in order to design, update and handle the Company's Websites.

More specifically during his internship the student will be requested to undertake tasks related to:

- Designing and development of websites
- Code web pages in HTML5, JavaScript, PHP and CSS3
- Testing of company websites performance in a variety of browsers
- Maintain communication with the Graphic Designer and the rest of colleagues
- Updates on website through CMS (MODX, WordPress)

Requirements

- Working knowledge of web programming
- PHP, HTML5, JavaScript, CSS3 coding languages
- Must know how web applications work
- Decent knowledge of CMS (MODX, WordPress)
- Problem diagnosis and creative problem-solving skills
- Other IT skills related to computer systems maintenance would be considered as an asset

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Market Research Analyst Internship - Erasmus Students Only

The primary task requires a person who is highly motivated and prepared to work 42.5 hours per week at the group's project team. The student will be engaged primarily in a number of market research and intelligence assignments.

Duties may include the gathering and analysing data on the different project assignments, interview stakeholders, conduct surveys, convert data and findings tables, graphs and written reports, prepare reports and present results to supervisors and management, review, fine-tune and document the market research analysis methodologies.

English at or near native level (both in oral and written communication) is a minimum requirement. Fluency in an additional language such as Chinese, Japanese, Korean, Russian, Arabic, Spanish or others will be a distinct advantage. The student will report directly to their supervisor. The position is demanding, requiring a person who is highly motivated, methodical and organised.

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Video Producing

During this internship, the student will be asked to undertake tasks related to media production – both video and photo. He/she will be creating cooperate videos as well as assisting with any other media production required.

What we expect:

- Proficiency in video editing software
- Experience in shooting and producing videos
- Photographing skills
- Creative and innovative approach to video producing
- Able to work independently as well as a part of a team
- Knowledge within the Adobe package would be a plus

Please note that all applicants should provide a portfolio to be considered for the position.

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ABT INNOVIA

ABT Innovia offers research services to support the development of vaccines, functional feeds, alternative protein sources, culture technologies and production techniques with a wide range of commercially important species under any combination of culture conditions in our fully licensed and bio-secure R&D facilities.

Read more about **ABT Innovia** in the capability statement here:

<https://www.aquabt.com/assets/downloads/Capability-Statement.pdf>

Aquaculture technician

The trainee will gain practical experience learning the techniques of recirculating systems, fish husbandry and understanding of the studies carried out at the facilities. During the internship, the trainee will work on each stage of the fish husbandry techniques applied in the facility and will also monitor fish health and life support systems and parameters. The intern will gain insight into the learning process of the experiments led by ABTG and their designs and sampling requirements as well as into the documentation requirements to fulfil GMP certification.

More specifically during his internship the student will be requested to undertake tasks related to:

- General husbandry
- Fish handling, feeding, grading, tagging, sampling
- RAS systems monitoring and cleaning
- Biological water quality requirements
- Monitoring systems, requirements
- Emergency situation
- Measuring equipment and Maintaining parameters
- Experimental design
- Sampling requirements
- Data recording
- Biosecurity and SOP procedures
- Recording requirements
- Data keeping and Deviation

Skills and Competences to be acquired

The trainee will have an in-depth experience of experimentation carried out in various fields related to various practical and commercial aspects affecting the aquaculture industry. In addition, the trainee will obtain an understanding of the experimental designs and experimental procedures carried out at the facilities. The trainee will learn about the type of data which has to be recorded and the relevance of these to the final outcome and conclusions obtained from the experiments. Apart from the experimental experience gained, the trainee will learn about Recirculating Aquaculture Systems, the components making up these culture systems and their advantages.

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Maintenance Internship

The person will be mainly involved in carrying out hands on maintenance, plumbing and engineering work at the company's research facility. The duties will include general maintenance, performing manual repairs, assisting in the setup of ventilation, refrigeration and other systems, as well as the repair of mechanical and electrical systems. The position also includes building of experimental recirculation systems (RAS), performing routine checking and maintenance of equipment, oxygen injection systems etc. as well as carrying out other general tasks to ensure stable operations at the facility.

Requirements:

Previous experience working hands on in engineering and maintenance will be considered an asset, but it is not necessary. Experienced B.Sc. graduate candidates are preferred, but students in this field, similar fields or others with relevant work experience are also encouraged to apply.

The intern will report directly to the R&D Operations Manager. The position is demanding, requiring a person who is highly motivated, methodical and organised.

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Engineering

The person will be mainly involved in carrying out hands on engineering, plumbing and maintenance work at the company's research facility. The position also includes building of experimental recirculation systems (RAS), assist in the development and implementation of complete and accurate working plans, assist with the inspection of materials, specifications and quantities, perform feasibility studies for proposed equipment, systems or processes, maintain current records for each project, perform drafting design on some projects, perform routine checking and maintenance of equipment such as protein skimmers, UV disinfection systems, drum filters, etc. as well as carrying out other general tasks to ensure stable operations at the facility.

Requirements:

Previous experience working hands on in aquaculture engineering will be considered an asset, but it is not necessary. Experienced B.Sc. graduate candidates are preferred, but students in this field, similar fields or others with relevant work experience are also encouraged to apply.

The intern will report directly to the R&D Operations Manager. The position is demanding, requiring a person who is highly motivated, methodical and organised.

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Electrical Engineer and Maintenance

The person will be mainly involved in carrying out hands on electrical work at the company's research facility. The position also includes building of experimental recirculation systems (RAS), performing routine checking, installation and maintenance of electrical equipment, such as pumps, electrical lines, U.V.'s, Monitoring systems, oxygen injection systems, automatization systems, etc. as well as carrying out other general tasks to ensure stable operations at the facility.

Requirements:

Previous experience working hands on in Electrical installations and maintenance will be considered an asset, but it is not necessary. Experienced B.Sc. graduate candidates are preferred, but students in this field, similar fields or others with relevant work experience are also encouraged to apply.

The intern will report directly to the R&D Operations Manager. The position is demanding, requiring a person who is highly motivated, methodical and organised.

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Fish Health and Microbiology

The person will be involved in routine monitoring of the stock fish located in our facilities through routine inspections as well as microbiological examinations. By the other hand, the candidates will be directly involved in the development as well as the execution of different types of challenge trials carried out in the company and their interpretation. The tasks performed in the microbiology laboratory will not only involve that work but also all the other tasks that we routinely do as part of a monitoring of the hygiene in our RAS systems, diagnostic of the fish that underwent a challenge trial, maintenance of our stock bacterial cultures, cryopreservation of newly received isolates and production and quality control of media, amongst others.

The intern will report directly to the Fish health as well as the Microbiology laboratory responsible staff. The position therefore demands a person with some knowledge of fish health and/or microbiology as well as bioinformatics. Fluent English (spoken and written) is essential, as well as good organization skills. Motivation for a quality work is fundamental, especially considering the total workload of a standard week that is usually highly demanding.

The person will be mainly involved in carrying out hands on engineering, electrical, plumbing and maintenance work at the company's research facility. The position also includes building of experimental recirculation systems (RAS), performing routine checking and maintenance of equipment such as pumps, U.V.'s, protein skimmers, oxygen injection systems, etc. and carrying out other general tasks to ensure stable operations at the facility.

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Scientific writing in biology/ecotoxicology/environmental sciences

The person will be involved in the preparation of scientific publications and other dissemination material.

More specifically during the internship the student will be requested to undertake tasks related to:

- Literature review on specific topics such as antifouling research and ecotoxicology
- Preparation of scientific articles
- Data and statistical analysis
- Discussion of results

Skills:

- Previous experience in academic writing and scientific publications is essential.
- A good command of English is necessary
- Statistical knowledge and use of R is considered an asset but not essential
- Data analysis
- Ability to research and discuss scientific articles

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Laboratory QA & QC

The person will be involved in all aspects of quality control in the research facility, including revision of quality system of ABTG, review criteria necessary for GLP & ISO certification, improvement in theoretical and practical knowledge about research methods.

More specifically during his internship the student will be requested to undertake tasks related to:

- Revision of requirements necessary for GLP & ISO certification
- GMP control
- Internal audits
- Quality control of the research facility
- Fulfilment of the necessary requirements for the certification
- Internal R&D

Requirements:

- Solid background in Quality Assurance & Safety
- Experience in laboratory operating procedures
- GLP is also a bonus, but not essential
- Speak and write English fluently

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OHS internship

The person will be involved in all aspects of Occupational Health & Safety in the office area and the research facility, including revision of OHS requirements and risk assessment in order to improve the work safety environment.

More specifically during the internship the student will be requested to undertake tasks related to:

- OHS risk assessment for the office and research facility
- Development of OHS requirements for the Marine Actions
- Country visit &/or working risk assessment
- OHS construction guidelines
- OHS training guide for the office and the research facility.

Requirements:

- Solid background in Occupational Health & Safety
- Experience in laboratory operating procedures
- GLP is also a bonus, but not essential
- Speak and write English fluently

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Marine Research Assistant and Technician

The intern will be assisting the primary environmental consultant daily. Office work would consist of project proposal generation, literature research, leasing with project personnel, report writing, equipment documentations and maintenance and general SOP work. In the field, the intern will act as a technician, helping with all the marine equipment and assisting with data collection.

During the placement, the intern will be working with marine data and equipment. Applicants should feel comfortable working on small and large boats, as marine projects will arise during their placement. Exceptional knowledge of computer programs is an asset (e.g. Excel, R, MatLab, Word and GIS programs).

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Water Quality Research and Development

The intern will work directly with the Water Quality Department. Duties may include development of Standard Operating Procedures for the analysis of various water quality parameters, research about the RAS system and for potential new methods to improve water quality, microbiology testing and collaboration with various Projects. The student will also work in the Water Quality and toxicology laboratory with usual analysis.

More specifically during the internship the student will be requested to undertake tasks related to:

- Carrying out experiments as part of the Enviguard project (Horizon 2020 Project)
- Participate in the calibration of RAS's monitoring system.
- Developing and validating Standard Operating Procedures for the analysis of water quality parameters
- Carrying out experiments to optimise the operation of RAS systems, particularly the operation of denitrification reactors
- Research about the denitrification and preparation of a trial to check if the denitrification with biopellets is possible in the RAS. (Developing).
- Collaboration in Tuna Project.
- Collaboration in ByeFouling Project in the FP7 Framework Program.
- Microbiology testing
- Research and calculations about sedimentation and aeration tanks.

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