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Innovative Vector Control Consortium
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External Scientific Advisory Committee (ESAC) - Call for Entomologist Experts (Indo-Pacific Focus)

Innovative Vector Control Consortium (IVCC) works globally to facilitate innovative approaches to preventing mosquito-borne diseases (e.g., malaria, dengue, etc.) and the growing threat of insecticide resistance.

The Opportunity

IVCC is looking for an entomologist with expertise in conducting mosquito biology and control studies in the Indo-Pacific region to support laboratory, semi-field, and field trials of mosquito control products in the Indo-Pacific region. We are specifically focussed on ITNs, IRS, spatial emanators, ATSBs, and other innovative insecticidal vector control solutions.

The Background

The External Scientific Advisory Committee (ESAC) provides expert specialist technical assessments of IVCC's portfolio of products, including project selection, transition, and termination. They provide advice to the IVCC management team during periodic reviews of the projects.

Membership of the ESAC is through nomination of candidates with the required expertise. The ESAC meets four times per year (two full meetings and two short interim meetings) and IVCC calls on advice from ESAC members in an ad hoc capacity. During ESAC review meetings, IVCC's partner institutions benefit from guidance and support from our world-renowned scientific experts.

Expected Commitment

- 15-days per year
- ESAC Webinar:
 - Attendance at two interim project reviews per year
 - March and September
 - 2-hours in duration (held during UK working hours)
 - Facilitated via MS Teams



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- ESAC Full:
 - Attendance at two full meetings per year
 - May and November
 - 3/4-days in duration
 - May meeting face-to-face in the UK, November facilitated virtually via MS Teams

Remuneration

ESAC members are classified as consultants by IVCC, and if required, IVCC is happy to reimburse an appropriate amount of time and any expenses incurred. It is understood employees of some organisations, such as National Public Health Agencies, US Government Departments, Public Research Universities, are not permitted to receive payment for executing this role.

Project Report Reviews

Prior to each full ESAC, when appropriate, ESAC members will participate in project review sub-group(s) as a lead reviewer or reviewer.

The review meetings are scheduled over a 3-week period and participation is dependent on the number of projects an ESAC member is involved in. The format of the review meetings is:

- Week 1: Pre-read of reports
- Week 2: ESAC review group only, 2-hours per project
- Week 3: ESAC review group and key project team members Q&A, 1-hour per project

Experts willing to serve on IVCC's ESAC will need to demonstrate appropriate subject knowledge and that there is no conflict of interest to review specific projects.

Experience & Qualifications Required

The following experience and qualifications are required for this position:

- Essential:
 - PhD in biology/medical entomology, public health, or another related field
 - Knowledge of WHO guidelines on the laboratory and field-testing of mosquito vector control products and associated test methods



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- Substantial experience in the design and monitoring of laboratory and field trials on vector control products (LLINs, IRS, Spatial Emanators, ATSBs, etc) according to WHO guidelines, with particular experience in the Pacific (e.g. Papua New Guinea) and South-East Asia
- Knowledge of insecticide resistance and cross-resistance in mosquito vectors of malaria and Aedes-borne viruses including the detection of resistance/cross-resistance through the conduct of bioassays and molecular assays, with particular experience of these factors in South-East Asia, Melanesia (e.g. Papua New Guinea) and the Pacific
- Experience with the statistical analysis and interpretation of data generated during the conduct of laboratory and field trials
- Ability to work collaboratively with a diverse group of stakeholders
- Knowledge and behaviours that support equity, diversity, and inclusive practice
- Knowledge and behaviours that support safeguarding as applicable to the role
- Desirable:
 - Experience in vector control product development
 - Knowledge of and training in the OECD principles of GLP as it applies to the conduct of laboratory and field efficacy trials on pest control products
 - Application of statistical methods to the design of semi-field and field trials

You will be a solution-oriented individual who wants to be part of IVCC's mission to develop and deliver innovative vector control solutions that save lives.

Application Process: Please submit your CV and covering letter to info@ivcc.com with the subject line: 'ESAC Call for Experts – Entomology (Indo-Pacific focus)'.

Closing date: [Tuesday 26th March](#)

About IVCC

IVCC is the only Product Development Partnership (PDP) working in vector control. IVCC is a registered charity in the UK. We work with stakeholders to facilitate the development of novel and improved public health insecticides and formulations to combat the rapidly growing problem of insecticide resistance. We bring together partners from industry, the public sector and academia to create new solutions to prevent disease transmission. By focusing resources and targeting practical scientific solutions we accelerate the process from innovation to impact. To find out more visit our website <https://www.ivcc.com/>



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IVCC actively promotes Equal Opportunities and Safeguarding Policies

We seek to attract and recruit people who reflect the diversity across our communities, regardless of sexual orientation, gender identity, ethnicity, nationality, faith or belief, social background, age, and disability. IVCC selects candidates based on skills, qualifications, and experience.