

Project team

Norwegian University of Life Sciences (UMB). The project will be led by Dr. Hans Overgaard, Department of Mathematical Sciences and Technology (IMT). **Dr. Overgaard** is a medical entomologist and project leader of two other RCN funded projects. He has worked in Asia, Africa, and South America on aspects related to the biology, ecology, and control of disease vectors. He has studied insecticide resistance (in both *Aedes* and *Anopheles*), behavioral responses to insecticides, insecticide resistance to agricultural insecticides, Integrated Pest and Vector Management, characteristics of anopheline larval habitats, and effects of land use on mosquito density. He has hands-on experience of insecticide bioassays, mosquito and ecological field work, and is an experienced project leader and student supervisor.

University of Oslo (UiO). **Professor Berit Smestad Paulsen** is professor in Pharmacognosy at School of Pharmacy, University of Oslo. Her research focus is on low and high molecular weight compounds from plants of pharmaceutical and medicinal interest, involving studies on poppy alkaloids, carbohydrate containing allergens, and bioactive polysaccharides from algae, fungi and land plants. A long standing collaboration with scientists in Mali has led to extensive expertise in ethnopharmacology. Now she works on Malian and South African plants indicating that the immune system is involved, e.g. plants being used by HIV/AIDS and malaria patients. She has published >150 articles in international scientific journals.

Institut de Recherche de Developpement (IRD), MIVEGEC, Montpellier, France. **Dr. Fabrice Chandre** is a medical entomologist (PhD) and veterinary doctor in charge of the *WHO Collaborating Centre for the evaluation of new public health pesticides*. He is team leader of "Vector Control Strategies – Prevention of Human Vector Contact" (VECOPS) in the research unit MIVEGEC. He has 25 years' experience in vector control, insecticides and insecticide resistance and has managed several research programs in Africa (Cote D'Ivoire, Benin, Cameroun). He is a permanent member of the WHOPEs working group and Roll Back Malaria Vector Control Win Group. **Dr Vincent Corbel** is a medical entomologist (PhD, HDR) responsible of the VECOPS team in Benin, West Africa, where, in 2011, the first bioassays on *Z. heitzii* bark extracts on *Anopheles* mosquitoes were conducted. In this project he will assist in supervision and quality assurance. He is leading the Anopheles Biology & Control Network (WHO collaborating centre in phase II) and is a member of the IRD scientific council and member of the Integrated Malaria Control Centre (IMCC) in Benin. His research activities focus on the genetics of resistance, vector control, insecticide and repellent modes of action. He is also a permanent member of the WHOPEs working group and Roll Back Malaria Vector Control Group.

Mariem Ngouabi University, Brazzaville, Republic of Congo. **Mr. Bertin Mikolo** has an M.Ph. in Agriculture Entomology. He is working on botanical insecticides, particularly those from the *Rutaceae* family and aromatic plants. He is a lecturer in extraction and analyses techniques of natural substances at the National Polytechnique High School, Mariem Ngouabi University. He also works as a consultant on environmental impact in mining sites. He has participated in several international conferences on pest management. In 2011 he carried out preliminary bioassay-guided fractionation of *Z. heitzii* compounds with the above collaborators.