Detmer Sipkema
Assistant Professor Marine Microbiology
Wageningen University
Laboratory of Microbiology
Stippeneng 4
6708 WE Wageningen
The Netherlands
[Building 124, Room 5042]
telephone: +31 317 483113

Dear all,

I'm looking for an excellent microbiology PhD candidate and I hope that you happen to know someone who has just completed her/his MSc who you would recommend for a PhD position? Please forward my email to this student.
2 qualifications are of direct importance for the position

- cultivation of microbes
- experience met next generation sequencing analysis
- marine microbiology background is nice but not necessary
- And the candidate may not have lived in the Netherlands for more than 12 months during the last 36 months

A very short overview is given here below. In my own words: **we'll use marine sponges and marine sediments to analyse these samples by sequencing and by cultivation.**
Main aims are: (1) learning symbiosis in deep-sea sponges (2) finding novel pharmaceutical compounds from sponges and sediments.

The position is part of a new Marie Curie Training network called "MarPipe"
Candidates are asked to send a motivation letter and CV to me (detmer.sipkema@wur.nl) before 1-Feb-2017
Expected starting date: spring 2017
best wishes,
Detmer

Project Title (related Work Packages): Cultivation and characterisation of novel marine microorganisms with high potential as sources of bioactive compounds (WP2, WP3, WP4, WP5, WP6, WP7, WP8)
Objectives: Generation of a strain collection of marine microorganisms to allow screening operations for bioactives. The use of novel cultivation techniques, particularly microcultivation and microprinting on culture chips using ceramic supports, which have been shown to target different groups of microorganisms compared to conventional techniques. This approach concentrates on using near natural cultivation conditions using substrates (e.g. sediments) provided by WP2 partners (from Pharmadeep deep-sea sediments) combined with culture chips, imaging techniques and micro-colony recovery. The aim will be to create an "intelligent" microbial strain collection with sufficient knowledge of microbe identity and likely chemistry that downstream screening has a higher chance of identifying novel compounds. Because of the need for scientific context, the ESR will work extensively with the academic partners (secondments).
Expected Results: Priority will be given to novel isolates for which in depth knowledge, including genome sequence and bioinformatics data will be obtained. A core collection of new high value strains for further analysis. Improvements in microcultivation techniques.
Planned secondment(s): Each of WP4 academic providers (*Host* UiT, *length* 2 months (months 11-12), *Host* UCC, *length* 2 months (months 14-15), *Host* SZN, *length* 1 month (month 17) to learn techniques in prioritizing strain collection and allowing screening at MicroDish if needed. *Host* UNIABDN, *length* 1 month (month 30), *purpose* knowledge of chemistry to be applied to MD strain collection, *host* MEDINA, *length* 1 month (month 36), *purpose* work experience in needs of Pharma. *Host* eCOAST, *length* 1 month (month 41), *purpose* definition of a potential business model for the exploitation of research.