



OFFRE DE STAGE

A retourner à :

École normale supérieure
Service des Admissions et des Études
45, Rue d'Ulm – 75230 PARIS cedex 5
Fax. : 01 44 32 38 37 - Mail : sae@ens.fr

Date de l'offre : 16/10/2015

L'ORGANISME D'ACCUEIL

Nom : Centre for Quantum Technologies, National University of Singapore.....
Adresse : Blk S15, #03-18, 3 Science Drive 2.....
Code postal : 117543..... **Ville :** Singapore

Téléphone : +65 6516 8318

E-mail : internship@quantumla.org (Mrs. Irene Tan).....

LE STAGE

Intitulé du poste : Grey molasses laser cooling of lithium for improved photoassociation spectroscopy

Service d'affectation : Quantum Matter Laboratory under supervision of Assoc. Prof. Kai Dieckmann
(<http://qmatter.quantumla.org/>)

Lieu : Centre for Quantum Technologies (<http://www.quantumla.org/>)

Mission(s) : This internship offers an opportunity to enter a state of the art lab and work with ultracold atoms. The goals are: modify existing diode laser system, implement grey molasses for improved laser cooling of lithium in current experimental sequence, help evaluating sensitivity improvement for existing photoassociation spectroscopy experiment on lithium; the work will be done in collaboration and with the help of an existing team of graduate students.

Période : spring to summer, 2016..... **Durée :** 2-5 months.....

Indemnisation : *oui* *non*

Montant : 1500 SGD/month + one economical airfare

LE PROFIL DU STAGIAIRE RECHERCHÉ

- **niveau d'études :** undergraduate studies in physics, 3rd year onwards
- **formation :** interest in experimental physics, quantum mechanics, atomic physics, quantum optics
- **langue(s) :** English.....
- **informatique :**
- **Compétences :** motivation to work hands-on in a laser cooling lab together with international team of graduate students and postdocs.....

LA CANDIDATURE

Personne à contacter :

Nom : Dieckmann..... **Prénom :** Kai

Fonction : Associate Professor, Principal Investigator.....

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Documents à fournir : CV, transcripts,