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保存年限：

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發文日期：中華民國107年6月15日

發文字號：瑞教字第1073220022號

速別：普通件

密等及解密條件或保密期限：

附件：徵募公告(ATTCHI KTH博士班徵才1_3220022A00_ATTCHI.doc)

主旨：協轉瑞典斯德哥爾摩華家理工學院謝尚逸教授實驗室博士生徵募公告如附，徵求研究領域為酵素方法合成醣蛋白和多醣，敬請協助公告於相關系所。

說明：

- 一、瑞典斯德哥爾摩華家理工學院(Royal Institute of Technology)為瑞典最國際化之知名理工學府，列2018年QS百大104名；瑞典博士生屬於大學聘僱職員，除領有薪資(每月29,000-34,000SEK瑞典克朗)並享有社會福利保險，工作滿四年即可取得永久居留權資格，為瑞典政府吸納全球人才之優渥措施。
- 二、有意應徵者請於8月31日前上網申請(網址詳附件)，相關資訊請逕洽謝尚逸教授:yvhsieh@kth.se。

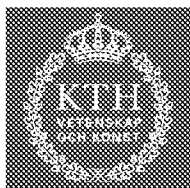
正本：各公私立大專校院(含大學系統)、中央研究院

副本：

國立彰化師範大學



1070059534 107/6/19



瑞典皇家理工學院博士生徵募公告

(提供全額獎學金)

領域 酵素方法合成醣蛋白和多醣

地點

瑞典斯德哥爾摩皇家理工學院(KTH) 工程學院化學系醣生物學組
謝尚逸教授實驗室

必備資格

- 有機化學碩士或相關系所畢業
- 良好英語溝通及讀寫能力
- 具正確學術倫理認知與態度
- 具創新思維

待遇

- 比照KTH員工福利，享有瑞典政府醫療保險並可申請學生宿舍
- 薪資(即獎學金)比照KTH博士生，第一年每月29,000瑞典克朗(SEK)，每年調薪，第四年每月34,000瑞典克朗(SEK)，調薪比例依KTH規定如下：
<https://intra.kth.se/en/anstallning/anstallningsvillkor/lon/doktorandstegen-1.572915>
如需要更多資訊 請逕聯絡謝尚逸教授email: yvhsieh@kth.se

申請時間

14/June/2018 至 31/Aug/2018

研究課題

It is well known today that over 50% of modern drugs target membrane proteins. The bottleneck in biochemical study of such proteins is the structural diversity of post-translational modifications, particularly the glycosylation. The glycoprotein most often exists as glycoforms; proteins that differ only with respect to the number and/or type of attached carbohydrate moieties. Therefore, considerable effort has been invested in determining the precise biological roles of

structurally defined glycoproteins and, as such, has now emerged as an important area of post-genomic research.

The chemical synthesis provides a unique tool to produce the homogeneous glycoprotein. Despite their value, only small number of glycoprotein have been synthesized, and none of these are membrane-bounded protein. Herein, the project aimed to combine Fmoc-SPPS, recombinant protein expression technologies, peptide ligation chemistries, chemoenzymatic glycan transfer and protein folding, for the practical production of homogeneous membrane glycoproteins. Synthetic products will be assembled in nano-disc, which enables the importance of the carbohydrate moieties for the structure and function of a membrane protein to be interrogated for the first time.

The successful candidate will undertake a multi-disciplinary approach to complete the task and will be supervised by Assistant Professor Yves Hsieh. Majority of laboratory work will be carried out in the Division of Glycosciences, at the Dept of Chemistry. There is also a possibility to visit and work at our collaborator's laboratories within the CBH School at Dept of Biomedical Engineering and Health Systems, or Academia Sinica and KI.

申請線上系統

有意應徵者請上網申請:

<https://kth.mynetworkglobal.com/en/what:job/jobID:213929/>

其他相關資訊請參考

<https://www.kth.se/en/studies/phd/how-to-apply-1.520089>

<https://www.kth.se/en/om/work-at-kth/relocation/welcome-to-kth-relocation-1.517039>

如有伴侶隨行，請參考 <https://www.sdcn.se>

瑞典皇家理工學院謝尚逸教授實驗室網頁:

<http://yveshsieh.wixsite.com/yveskth>

<https://www.kth.se/profile/yvhsieh>