

糖質学会会員各位：

デンマークのコペンハーゲン大学のHenrik Clausen研究室が、BioCapture(European tranining Network, ETN)に応募する修士卒の研究者を探しています。このプログラムでは、11名のearly-stage resercher (ESR)の枠が準備されており、それぞれの大学(今回の場合はコペンハーゲン大学)の博士課程で学位取得を目指すこととなります。在学中は、給与と研究費が支給されます。2016年5月1日から2017年10月1日までに研究をスタートすることが求められています。

応募の条件としては、

1. 修士の学位を持っているが博士の学位は未取得のこと。
  2. 過去3年間デンマークに12ヶ月以上滞在していないこと。
  3. 英語での読み書き、会話が堪能であること。
- となっています。

応募方法は、10月15日までに2ページのCVと1ページのカバーレターをBioCap-recruitment@mah.seに送る必要があります。希望者は、先ずコペンハーゲン大学のProf. Clausen にコンタクトを取り ([hclau@sund.ku.dk](mailto:hclau@sund.ku.dk))、応募についての打ち合わせをすることが望まれます。Prof. Clausenの研究室には、現在、日本人のポスドクも在籍しています。

以下のWeb siteを参考にして下さい。

<http://mah.se/Forskning/Sok-pagaende-forskning/The-BioCapture-Network/ESR-position-11--University-of-Copenhagen/>

成松 久

# Early Stage Researchers in the BioCapture EU Training Network

BioCapture is a European Training Network (ETN) funded by the European Commission under the Horizon 2020 Marie Skłodowska-Curie Action. 15 research groups, spread across 11 universities and institutes and 4 industrial partners in 6 different countries have come together to train a new generation of chemists/physicists/biologists through an EU-wide PhD training network.

To find new and **better ways to diagnose and treat cancer** is one of the most pressing tasks for researchers today. The transformation from a normal cell into a malignant tumor cell is a multistage process, typically a progression where cells become gradually less susceptible to treatment. Early diagnosis where the cancer is still curable is therefore crucial. This emphasizes the need for sensitive, **robust and affordable diagnostic tools** that can sense the cellular state, commonly in the form of tumor specific protein markers, early in the process.

We offer 11 early-stage researcher (ESR) positions across Europe dedicated to find new solutions to cancer diagnostics and improve our understanding of the disease. Each ESR will be enrolled in a PhD program and complete a specially designed training schedule while performing research and innovation projects at their host organisation. In this interdisciplinary project we will design high affinity responsive molecular capture materials targeting tumor specific markers. Molecularly imprinted polymers or “**plastic antibodies**” and other smart materials will be developed and used to detect and sense previously inaccessible tumor markers or to discover novel disease biomarkers. The training program is aimed at developing a research-oriented, creative and innovative mindset while conveying crucial theoretical insight into the key topics. This is an excellent preparation for a future career in academia or in industry.

**Who can apply?** Details on the 11 individual positions are available at <http://mah.se/biocapture>.

To qualify as an ESR in the BioCapture network you must:

- be in the first four years of your research career, since, e.g. completion of your masters' degree,
- not already possess a doctorate degree,
- be willing to move to a country within the network in which you have not lived for more than 12 months over the last 3 years,
- be proficient in both written and spoken English.

This information is also available through the BioCapture website at <http://mah.se/biocapture>.

**What to do?** Please forward a 2-page CV and 1-page cover letter, listing your favoured projects in order of preference, to [BioCap-recruitment@mah.se](mailto:BioCap-recruitment@mah.se) by the deadline: 15th October 2016. After this first round each institute will contact successful candidates. You will then have to provide references and may be required to attend an interview. Note that only applications submitted through to [BioCap-recruitment@mah.se](mailto:BioCap-recruitment@mah.se) will be considered.