

Online Presentation: FPLC-NGC System

Date: 03 July 2021 ~ Time: 02:00pm - 04:00pm IST

Fast protein liquid chromatography (FPLC), is a form of liquid chromatography that is often used to analyse or purify mixtures of proteins. Bio-Rad FPLC-NGC system equipped in CSIF offers a single preparative chromatography solution that scales to fit researcher's application and throughput requirements when purifying biomolecules for analytical- and preparative-scale applications.

The Online Presentation was organized by Central Sophisticated Instrumentation facility (CSIF), University of Calicut in association with Bio-Rad Laboratories India Pvt Ltd. The presentation was conducted to enhance the usage of the FPLC-NGC system and to provide a brief idea about the instrument and the facilities available in our lab.

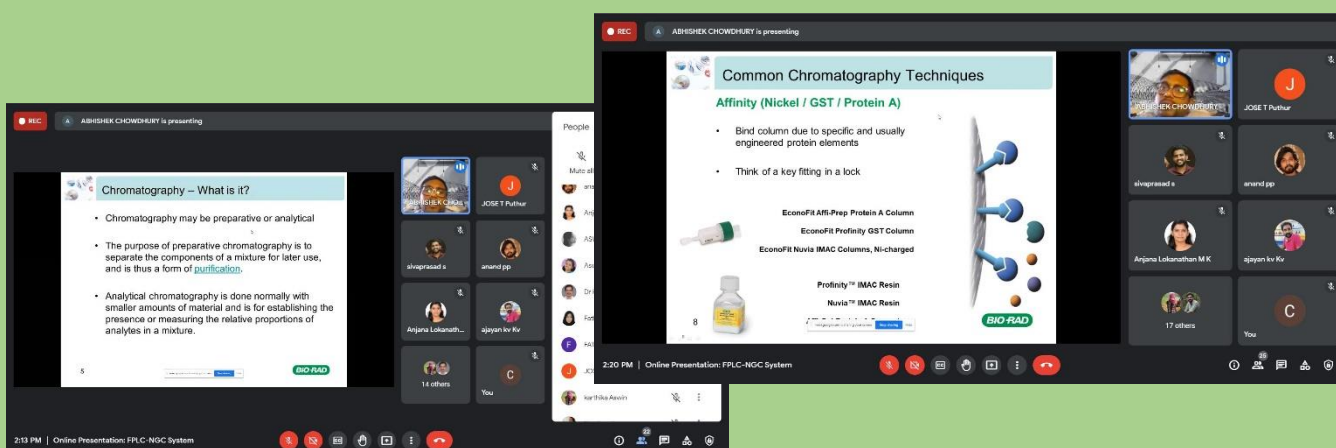


The poster is a vertical rectangular graphic with a blue-to-orange gradient background. At the top left are the logos of CSIF and the University of Calicut. To the right is the Bio-Rad logo. The text reads: 'UNIVERSITY OF CALICUT CENTRAL SOPHISTICATED INSTRUMENTATION FACILITY (CSIF) ONLINE PRESENTATION FPLC-NGC SYSTEM Date: 03-07-2021 ~ Time: 02.00pm'. Below this is an 'AGENDA' section with four bullet points: 'Introduction to FPLC chromatography and different types', 'Insight into Bio-Rad NGC FPLC system and Features', 'Software use and Applications', and 'Q & A'. The 'RESOURCE PERSON' section lists 'Dr. Abhishek Chowdhury, Capital Specialist-Proteomics, Bio-Rad Laboratories (India) Pvt. Ltd.'. The 'REGISTRATION' section includes a QR code and a link: 'Link: https://forms.gle/JNRb1pR3ivDxfab18'.

The participants were introduced to basics of FPLC and its types. The presentation could provide an insight in to Bio-Rad FPLC-NGC system and the features and configurations of the instrument as well as the software. Also discussed about the research applications of FPLC systems in Life sciences. 24 participants from various universities/ research institutes participated in the presentation.

Webinar Speaker:

- Dr. Abhishek Chowdhury
Capital Specialist-Proteomics,
Bio-Rad Laboratories India Pvt Ltd.



This block contains two screenshots from a Zoom webinar. The left screenshot shows a slide titled 'Chromatography - What is it?' with three bullet points: 'Chromatography may be preparative or analytical', 'The purpose of preparative chromatography is to separate the components of a mixture for later use, and is thus a form of purification.', and 'Analytical chromatography is done normally with smaller amounts of material and is for establishing the presence or measuring the relative proportions of analytes in a mixture.' The right screenshot shows a slide titled 'Common Chromatography Techniques' with a sub-heading 'Affinity (Nickel / GST / Protein A)'. It lists two points: 'Bind column due to specific and usually engineered protein elements' and 'Think of a key fitting in a lock'. Below the text are images of various Bio-Rad chromatography columns: EconoFit Affi-Prep Protein A Column, EconoFit Profinity GST Column, EconoFit Nuvia IMAC Columns, Ni-charged, Profinity IMAC Resin, and Nuvia IMAC Resin. The Zoom interface shows a grid of participants and a status bar at the bottom indicating '2:13 PM | Online Presentation: FPLC-NGC System'.