

POSTER LIST ORDERED ALPHABETICALLY BY POSTER TITLE

THEME/TRACK: TRAINING Poster numbers: P_Tr001 - 017

Poster number	EasyChair number	Author list	Presenting author	Title	Abstract	Theme/track	Topics
P_Tr001		Oswaldo Trelles, Michael T. Krieger and Alex Upton		An overview of training in the Spanish ELIXIR node	The Spanish National Bioinformatics institute (institute Nacional de Bioinformatics) (NB)) is part of the Cartos III Health Institute, extitute de Sautd Cartos III, SCIII). The mission of the NB is a provide bioinformatics support to Spanish research institutions and comparises. The NB has a calcively participated in the creation of ELIXRR, tast as a transmitter of ELIXRR developments for the benefit of national projects, and promotes the use of INB systems and tools at European level. The Bittal group, part of the Computer Architecture Department of the University of Malaga, is one of the NB nodes and acts as the training conditionator of Spain in ELIXRR. The INB is heavy involved in training in organising training events. The training collaboration is bidirectional, with ELIXIR providing materials and cortifying them to ensure the quality of the straining sessions. A wide range of training courses have been offered in the least year across the whole node. This includes a law-oldy relational processes and Calabay. This includes a law-oldy relation to the computing (HPC) workshop at the University of Malaga in October 2016. The first day will provide an introduction to HPC with Introductory practical exercises, whilst the second off any will prevent an interval of the OHP CWII introductory practical exercises, whilst the second off any will prevent the PC use cases from the bioinformatics and biomedicine domains. Along with the other planned courses, this demonstrates INB's continued commitment to bioinformatics training.	Training poster	Training
P_Tr002		Vera Matser, Cath Brooksbank, Rossen Apostolov, Adam Carter, Alexandre Bonvin, Mark Abraham and Emiliano Ippoliti	Vera Matser	Applying competency profiling of user groups to develop a training programme in Computational Biomolecular Research	Life Science research has become increasingly digital and has a direct influence on our daily life in areas such as health and medical applications, drug discovery, agriculture and food inclusity. It is one of the largest and fastest growing communities in need of ligh-jend computing, legislated competence in the sum of the science researchers who are not computing experts but who need to use complicated computationally interative binomic-local modelling tools [BioExcel is a newly launched Centre of Excellence for Biomolecular Research aimed at supporting here as a competence of the sum of high-jend remains computing [HPC] and high-broughptac comparing [HPC] in the model of the sum of the science of the sum of the science of the sum of the science of the scienc	Training poster	Training
P_Tr003		Janick Mathys, Christof De Bo and Alexander Botzkii	Janick Mathys	Bioinformatics Training at VIE: laying the concernstones for life scientists to survive in data-intense biotech research	Set up in response to the increasing importance of bioinformatics in biotechnology research, VIB's Bioinformatics Training and Service (BITS) facility provides trainings, software support and services that contribute to the generation of useful biological knowledge. The facility gives beside and intermediate trainings to the file scientings of the file scientings are specified by the file of	Training poster	Training
P_Tr004		Sandrine Perrin, Victoria Dominguez Del Angel, Jonathan Lorenzo, Jean- François Gibrat and Christophe Blanchet	Victoria Dominguez Del Angel	Cloud Computing Training at French ELUXR node (French Institute of Bioinformatics)	Coud Computing presents a new approach to allow the development of elastic, distributed and highly scalable resources. The French Institute of Bioinformatics set up a Cloud Computing Instituture with offers services, software, database and computing resources Education and Training are key components of the IPE-Instituture. IPE-core, the neutron III.but of IPE offers training courses to educate the community on how to use the IPE Cloud for analyses and methodological developments in bioinformatics. IPE-core offers 3 training modules to teach Ife-science scientists to adopt the IPE Cloud. The modules build progressively to caster for the needs of general and advanced sudiences. If his the "Cloud basic usage" module, the attendes learn to deploy the appropriate application in the cloud for analyzing their data. This module is dedicated to non-users of the commendate interface. Demonstration on available applications e.g., Gallayr, RSIstion and Virtual-deshot betending; 2) if the "Cloud advanced usage" module, the attendess learn to deploy complex bindratics applications, recluding multiple with machines in a cluster, to install new integrate public data collection, and manage data with NFS virtual disks. We demonstrate automatic installation tools, such as Approver, Docker and how to build a cluster with SEC. Space for Groupe. 3) in the "development of the appliances" module, developers are modules are regularly scheduled throughout the year.	Training poster	Training
P_Tr005		Kim Gurwitz, Shaun Aron, Sumir Panji, Suresh Maslamoney, Pedro Fernandes, David Judge and Nicola Mulder	Kim Gurwitz	Distance-based online Bioinformatics training in Africa: the H3ABioNet experience	Africa is not unique in its need for basic Bioinformatics training for individuals from a molecular biology background. However, unique, beginted challenges in Africa, most notably access to Bioinformatics expertise and internet stability, must be addressed in order to meet this need on the continent IABAlfork (www.Mabinet.org). The Pan African Bioinformatics Network for H3Africa, has therefore developed an incovative, fee Introduction to Bioinformatics course taking these challenges into account. A distance-based learning model has been selected for this own onth course (July-September 2016) to increase access to expert African and European Bioinformatics trainers occurring several Bioinformatics topics. Including, Delabases and Resources, Genomics, Linux, Sequence Alignment; and Phylogenetics, Classrooms with a total of >350 participants are hosted at 19 institutions, across 11 African countries, in order to provide local administrative and academic support. Classroom selection was based on certain infrastructure criteria, including; computer resources, Internet access; and availability of local teaching assistants. Although lectures are delivered live to remote sites via an online platform, to resure that classroom success does not rely on stable Internet, classrooms can wait by re-recorded and pre-downloaded lecture videos, as well as work through practical assignments on the lecture cordinates are available on the course website http://training/fastionet.org/IBT_2016/.While trainers are available via video conferencing to take questions during contact sessions, online 'question and discussion' forums, hosted on the course management platform, are also available. This distance based model, developed for a resource limited setting, could easily be adapted to other settings.	Training poster	Training
P_Tr006		Teresa K Attwood, Pamela Black, Marie- Claude Blatter, Cath Brooksbank, Pedro L Fernandes, Nicola Mulder, Patricia M Palagi, Gabriella Rustici, Maria Victoria Schneider and Celia W G van Gelder	Pedro L Fernandes	GOBLET's Bioinformatics. Learning, Education and Training Activities	The Global Organisation for Bioinformatics Learning, Education and Training (GOBLET: http://mygoblet.org) was established to promittee, which have a global, sustainable support structure to foster international communities of bininformatics training rather international communities of bininformatics training rather international communities. The advintegration of GOBLET are carried out through committee, which have been applied to the committee of the recent advintee and resources for bininformatics trainers. Here we describe some of the recent advintee and resources developed by the LET Committee, (i) As set of consensus descriptions for training materials as promiser but materials are consistently described in minimum, standard amount of information. This brings a strong improvement in discoverability, shareability and traceability of training materials as propriets for different advintees, (iii) Our e-largetine to supplie with the ISCB Education Committee, and how these can be used to elaborate bininformatics curvicula and training materials appropriate for different advintees, (iii) Our e-largetines (iii) our e-largetines (from the prespective of discoverability of existing e-learning materials and the development of new materials. For these activities we partnered up with other networks and organisations with similar goals.	Training poster	Training
P_Tr007		Sarah L Morgan, Richard Grandison, Katrina Costa, Lee Larcombe and Cath Brooksbank	Cath Brooksbank	Providing bioinformatics training for established researchers	The EMBL-EBI training programme provides face-b-face and online learning opportunities focused on accessing public bloads, analysing large data sets and interpreting the results of bioinformatics desperiments. Although our major audience is early-stage researchers, we receive frequent requests from experiment processing the interpreting the results of bioinformatics competency and enable their labs to benefit from data-certic approaches to research. Finding training appropriate to their busy schedules and specific in received the results of the processing and competency and enable their labs to benefit from data-certic approaches to research. Finding training appropriate to their busy schedules and specific redsource processing and the processi	Training poster	Training
P_Tr008		Antonio Fabregat, Konstantinos Sidiripoulos, Guilherme Viteri, Florian Korninger, Steven Jupe, Phani Garapati, Peter D'Eustachio, Lincoln Stein and Henning Hermjakob	Antonio Fabregat	Reactome: A carated knowledgebase of biomolecular pathways	Reactome (http://www.reactome.org) is a free, open-source, curated and peer-eviewed knowledgebase of biomolecular pathways, its min is to provide intuitive bioinformatics tools for visualization, interpretation and analysis of pathway knowledge to support basic research, genome analysis, modeling, systems biology and outcain Pathways are built from commended fractions "that encompass many types of biochemical events. Reactions are derived from literature and must cite a publication that experimentally usdefase them. Pathways are authored by septer biologistics and peer reviewed before incorporation into the database. 9,984 reactions in Reactome cover 9,238 human gene products (1,921 inclinding intact, interacturs), supported by 2,238 literature references. Users can search for proteins or compounds and see details of the complexes, reactions and pathways help variety interactures and the performance of the pathways and over well as the proteins of compounds involved by participate in. Pathway diagrams allow users to examine the medicale venets that constitute the steps in pathways and to view details of the proteins; complexes and compounds involved by the participate in. Pathway diagrams allow users to examine the medicale venets that constitute the steps in pathways and view details of the proteins; complexes and compounds involved by the participate in. Pathway diagrams allow users to examine the medical venets that constitute the steps in pathways and view details of the proteins; complexes and compounds involved the datasets, such as microarray data, for expression analysis of the compounds of the pathway of the pathways of the p	Training poster	Training
P_Tr009		Konstantinos Sidiropoulos, Antonio Fabregat, Guilherme Viteri, Florian Korninger, Peter D'Eustachio, Lincoln Stein and Henning Hermjakob	Guilherme Viteri	Reactome: New services and widgets to ease third-purty integration	Reactome (http://www.reactome.org) is a free, open-source, curated and peer-reviewed knowledge base of bismolecular pathways. It aims to provide infultive bioinformatics tools for visualisation, interpretation and analysis of pathways knowledge to support basis research, genome analysis, modelling, systems biology and education. This, the maintalays of its software development and the ability and resultable filtrating perivolences from the user's point of lives, lives modellarly and resultable filtrating perivolences and widgests and the properties of the pathways of the properties and the properties and the properties of the properties of the properties and the properties of the propert	Training poster	Training
P_Tr010		Thanh Le Van, Matthijs van Leeuwen, Ana Carolina Fierro, Dries De Maeyer, Jimmy Van den Eynden, Lieven Verbeke, Luc De Raedt, Kathleen Marchal and Siegfried Nijssen	Thanh Le Van	Simultaneous discovery of cancer subtypes and subtype features by molecular data integration	Notinations: Subtyping cancer is key to an improved and more parsonalized prognosis heatment. The increasing availability of turnor related molecular data provides the opportunity to identify molecular subtypes in a data-driven year. Molecular subtypes are defined as groups of samples that have a smillar molecular mechanism at the origin of the carcinogenesis. The molecular subtypes in a data-driven year of the prognosis of the	poster	Training
P_Tr011		Sarah Morgan, Teresa K Attwood, Brane Leskosek, Gabriella Rustici and Allegra Via	Brane Leskosek	Sureying training provision, needs and capacity across LIOIR nodes and CASCLERATE use-cases to map skill transfer routes in Europe		Training poster	Training

P.	_Tr012	790	Rafael Hernández-De- Diego, Tomas Klingström, Hadrien Gourlé, Etienne P. de Villiers, Ana Conesa and Erik Bongcam-Rudloff	Hadrien Gourlé	The eBicKli, a stand-alone educational bioinformatics platform	Bioinformatics skills have become essential for many research areas; however, the availability of qualified researchers is usually lower than the demand, a situation that especially affect developing countries. For many developing countries, broinformatics has been a strategic area of investment in life science. Intellal efforts in developing countries have generated habs of excellence located in the bigger or more affected. Extensive training is however necessary professionate in hexacessary disclosuration and analyze the virtual southern of data generated by modern research. The estimates the short expensive part of the estimate of the straining of the estimates of the estima	Training poster	Training
P.	Tr013	559	Youri Hoogstrate, Saskia Hiltemann, Dave Clements, Bjoern Grüning, Andrew Stubbs, Hans- Rudoff Hotz and Galaxy Training Network	Leon Mei	The Gallaxy Training Network: centralizing resources for galaxy trainings	The Galaxy Training Network is an international initiative supporting and developing all aspects of training around the Galaxy analysis platform for biomedical research. Scalability is a recruing challenge in all aspects of high-throughput computational biology, including faining. There is far more demand for training than the met by just in person training by the core Galaxy Team. The Galaxy Taining Network supports the project by providing resources and centralizing the training efforts. As member of GQBLET (http://www.mygoblet.org/), the Galaxy Training Network takes part in the global coordination of Bioinformatics straining. This poster will highlight resources that are available for teaching lipidinformatics postering. This poster will highlight resources that are available for teaching lipidinformatics straining assignment of the straining efforts are available for teaching lipidinformatics straining in the straining efforts are available for teaching lipidinformatics straining in the procations and communities. We are available, and the makes it easier for new armals to get up to speed with training in their locations and communities. We also highlight derections of butorials vivored exercises, including up to date sample data, slide sets, videos, the new Galaxy Tours functionality and computational resources such as shared virtual machine images and Amazon Web Service Machine Images.	Training poster	Fundamental Training
P	Tr014	682	Gregoire Rossier and Patricia M. Palagi	Gregoire Rossier		The SIB Swiss Institute of Bioinformatics created in 2007 the SIB PhD Training Network (TN), a community support for PhD students carrying out their research in bioinformatics or computational biology in Switzerland. The TN aims to fost per interactions and exchanges among PhD students and to I roain them in the most person priority. Furthermore, we organize annual venets such as an international reasonal school, usually held in the Swiss Agb, the "Best Practicions in Programming violence protects per venets such as an international reasonal school, usually held in the Swiss Agb, the "Best Practicions in Programming violence protects and the research project. All these are opportunities for students to exchange ideas about their research projects, to seek feedback and help from their peers, and for networking and developing new collaborations. Most of the TN aim and such as the section of the Steward of the SIB Training courses proficio, which can be found at www.sb.avisstraining. The SIB PhD Training Network was a pioneer PhD program in Switzerland and it is still unique in its domain in the country. It has seen near 300 students since the creation of the Network, and counts today close to 230 active members. Students and supervisors recently evaluated the perinence of the TN and the conclusions of the survey will be presented in this poster.	Training poster	Training
P	Tr015	692	Diana Marek, Gregoire Rossier, Geoffrey Fuoile, Walld H. Ghamb, Frédéric Schütz, Marie-Claude Blatter and Patricia M. Palagi	Diana Marek	The SIB Swiss Institute of Bioinformatics Training Crous; Supporting the everlopment and sustainability of effective bioinformatics training	The SIB Swiss Institute of Bioinformatics has an extensive offer of bioinformatics training courses, involving computational biology methods, statistics, machine learning, computing techniques, and the enables, management, and reproducibility of biological data. The significant increase in the number of SIB groups handed SIB's resources and experient, thus offering an opportunity to broaden the scope, scale, and diversity of SIBs training portation. Our courses respond to an increasing demand for bioinformatics training towards ensuring that the Swiss and international scientific community make the best use of bioinformatics and SIB resources. The SIB Training Corpus basebase, consists, and supports scales as in terminational partners. In 2015, SIBs ran over 50 events, training nearly 1000 participants. These achievements were made possible through a complete planning and teaching strategies, promotion, an efficient registration system including online payment, a reactive helpdesk for participants, systematic assessment of course quality and learning outcomes, and smooth handling of all logistical/oparasistional aspects. Our group employed by its very efficient training platform to encourage and facility participation of SIB training can thus increase the visibility and impact of their research activities without the burdens of course logistics and organization. Through this collaborative effort, SIB's training platform stays at the forefront of developments in bioinformatics to offer sustainable and effective training programs.	Training poster	Training
P.	Tr016	672	Patricia M. Palagi, Erik Bogcam-Rudloff, Pedro Fernandes, Eljia Korpelainen, Fran Lewitter, Gabriella Rustici, Maria Victoria Schneider, Celia W.G. van Gelder and Teresa K. Attwood	Patricia M. Palagi	Train-the-Trainer, GQBLET's initiative to increase the provision of bioinformatics training in NGS	COBLET is a global organisation that coordinates, shares and supports bioriformatics training activities workside, aliming to fug critical skills gaps, ultimately to facilitate the advancement of healths and life-decisioner research. The Dosar of OBLET's Train-the-Trainine in institution is on setting or granting courses to help play hower skills gaps, sepacially in the area of NDS data analysis. This initiative will help to share bioriformatics training expertise, experience and resources, train bioriformatics and life-decisioner speciallists; support life-cisioner research; promote collaborations among scientifies vorthwider; build capacity in developing and developed countries. The programme will consist of the place on different continents (e.g., South America, Africa, Asia) and are expected to co-locate as stallille events to major orderences. Each workshop is organised around two main topics: 1) how to explicit and the provision of the pr		Training
P.	_Tr017	776	Celia van Gelder, Sanne Abeln, Rita Azevedo, Luiz Olavo Bonion Da Silva Santos, Jeroen Engelberts, Rob W. W. Hooft, Mateusz Kuzak, Leon Mei, Marco Roos, Mertijn van Rijswijk, Andrew Stubbs and Jaap Heringa	Celia van Gelder	Training efforts in the Netherlands: combining forces to provide data - related training for the life science research community	In this ern of big data, new skills and competences are needed for life scientists, bechnologists and data experts. Many people with heterogeneous backgrounds have to be trained. By combining the education expertise present in the Netherlands we work towards establishing a comprehensive, internationally acclaimed and sustainable training and education course portfolio for Life Sciences Research & Technology with a focus on training in new technologies and data integration and stewardship. Our efforts cross bridges between disciplines, application domains, European research infrastructures (ESFRIs and e-infrastructures). Examples of our activities include trainings and strain dischardship. Our efforts cross bridges between disciplines, application domains, European research infrastructures (ESFRIs and e-infrastructures). Examples of our activities include trainings and strain dischardship. Our efforts our dischardship of our activities include trainings and straining contractive trainings and straining complete and activities of the contractive trainings and the straining complete and the contractive trainings and the straining complete and the contractive trainings and the contractive tr	Training poster	Training