

	THURSDAY SEPTEMBER 10	FRIDAY SEPTEMBER 11	SATURDAY SEPTEMBER 12
08:30			
09:00	REGISTRATION	REGISTRATION	REGISTRATION
09:10		INVITED SPEAKER (40 minutes) Wessel Van Wieringen	INVITED SPEAKER (40 minutes) Dirk Husmeier
09:20	WELCOME		
09:30			
09:40	INVITED SPEAKER (40 minutes) Dario Greco	CONTRIBUTED TALKS (3 X 20 minutes)	CONTRIBUTED TALKS (3 X 20 minutes)
09:50			
10:00			
10:10	CONTRIBUTED TALKS (2 X 20 minutes)	Masseroli (5)	Lecca (23)
10:20		Russo (21)	Mencar (4)
10:30	Causeur (18)	Rizzo (25)	Abdeddaim (11)
10:40	Kavak (2)		
10:50			COFFEE BREAKS (40 minutes)
11:00	COFFEE BREAKS (40 minutes)	COFFEE BREAKS (40 minutes)	
11:10			
11:20		SPECIAL SESSION (Knowledge) (5X20 minutes)	INVITED SPEAKER (40 minutes) Michele Ceccarelli
11:30	SHORT CONTRIBUTED TALKS (2 X 10 minutes): Evangelista (22) + Alssraj (8)		
11:40	INTRO GUEST (10 minutes)	Joshi (27)	
11:50		De Beats (29)	
12:00		Amoutzias (32)	General Chair talk:(40 minutes) Erik Bongcam-Rudloff
12:10	Special Guest Ada Yonath (Nobel Laureate in Chemistry) (1 h)	Giotti (31)	
12:20		Sibanda (19)	
12:30			
12:40			
12:50			
13:00			LUNCH (1:30 h)
13:10			
13:20			
13:30	LUNCH (1:30 h)	LUNCH (1:30 h)	
13:40			
13:50			
14:00			
14:10			
14:20			SHORT CONTRIBUTED TALKS (5 X 10 minutes): Weitschek (9)+Lo Bosco (16)+ Del Prete (10)+Dubey (12) + Daberdaku (6)
14:30			
14:40	INVITED SPEAKER (40 minutes) Daniel Yekutieli	INVITED SPEAKER (40 minutes) Cinzia Viroli	SPECIAL SESSION (Metaboimics) (4X20 minutes + 3x10)
14:50			Angione (46)
15:00			Starcevic (43)
15:10	CONTRIBUTED TALKS (2 X 20 minutes)	SPECIAL SESSION (Regularization) (40 minutes)	Telatin (44)
15:20	Carissimo (26)	Chiquet (Invited)	
15:30	Kurpas (20)		
15:40	SHORT CONTRIBUTED TALKS (2 X 10 minutes): Eleuteri (7)+Tripathi (15)	External Short talk	COFFEE BREAKS (30 minutes)
15:50			
16:00			
16:10	COFFEE BREAKS (30 minutes)	COFFEE BREAKS (30 minutes)	SPECIAL SESSION (Metabolomics) continuation
16:20			Fondi (40)
16:30			Can (45)
16:40	SPECIAL SESSION (EDGE) (5X20 minutes)	SPECIAL SESSION (HPC) (4X20 minutes)	
16:50		Fabio Tordini (30)	
17:00		Goutam Saha (13)	Chiappori (42)
17:10	Desmedt (35)	Andrea Tangherloni (33)	De Pascale (41)
17:20	Alberti (37)	Ivan Merelli (28)	
17:30	Demicheli (38)		Closing remarks
17:40	Marano (39)		Closing day
17:50	Libutti (36)		
18:00		Discussion about CIBB2016 edition (30 minutes)	
18:10			
18:20	Closing day	Closing day	

	THURSDAY SEPTEMBER 10	Speaker	Talk Title	SESSION CHAIR
08:30	REGISTRATION			
09:00	WELCOME			
09:30	INVITED SPEAKER (40 minutes)	Dario Greco	<i>Computational challenges in systems nanotoxicology</i>	Valerio Costa
09:40	CONTRIBUTED TALKS (2 X 20 minutes)	David Causeur (18)	<i>Signal identification in ERP data by decorrelated Higher Criticism Thresholding</i>	
10:00		Pinar Kavak (2)	<i>Improving genome assemblies using multi-platform sequence data</i>	
10:10	COFFEE BREAKS (40 minutes)			
10:20	SHORT CONTRIBUTED TALKS (2 X 10 minutes)	Daniela Evangelista (22)	PrimatesDB: a functional resource on skeletal muscle tissue specific transcriptome of the Pan troglodytes	Riccardo Rizzo
11:00	INTRO GUEST (10 minutes)	Reem Alssraj (8)	Well-supported phylogenies using largest subsets of core-genes by discrete particle swarm optimization	
11:10	Special Guest			
11:20	Ada Yonath (Nobel Laureate in Chemistry)	Ada Yonath (Nobel Laureate in Chemistry)	<i>Species-specific antibiotics and the microbiome</i>	IBP
12:00	<i>(1 h)</i>			
12:10	LUNCH (1:30 h)			
12:20	LUNCH (1:30 h)			
12:30	INVITED SPEAKER (40 minutes)	Daniel Yekutieli	<i>Bayesian FDR controlling test procedures.</i>	Italia De Feis
12:40	CONTRIBUTED TALKS (2 X 20 minutes)	Annamaria Carissimo (26)	<i>Validation Of Community Robustness</i>	
12:50		Monika Kurpas (20)	<i>A simulation study of the relationship between replication stress detection pathway and the cell cycle</i>	
13:00	SHORT CONTRIBUTED TALKS (2 X 10 minutes)	Antonio Eleuteri (7)	<i>A commentary on a censored regression estimator</i>	Riccardo Rizzo
13:10		Kumar ParijatTripathi (15)	<i>Comparison of gene expression signature using rank based statistical inference</i>	
13:20	COFFEE BREAKS (30 minutes)			
13:30	SPECIAL SESSION (EDGE) (5X20 minutes)	Desmedt (35)	<i>Dissecting the biological complexity of breast cancer</i>	Elia Biganzoli e Clelia Di Serio
13:40		Alberti (37)	<i>Transcriptomic analysis of the Trop-2 metastatic program</i>	
13:50		Demicheli (38)	<i>Cancer Images: from invading hordes to pseudo-organ structures.</i>	
14:00		Marano (39)	<i>Assessment of the robustness of Bayesian P-spline estimation techniques for prognostic assessment and prediction</i>	
14:10		Libutti (36)	<i>New Techs and oncology in System Medicine</i>	
14:20	Closing day	Closing day	Closing day	Closing day

	FRIDAY SEPTEMBER 11	Speaker	Talk Title	Session Chair
08:30	REGISTRATION			
09:00	INVITED SPEAKER (40 minutes)	Wessel Van Wieringen	<i>Ridge estimation of multiple GGM, simultaneously and integratively</i>	Paola Rancoita
09:10				
09:20				
09:30	CONTRIBUTED TALKS (3 X 20 minutes)	Marco Masseroli (5)	<i>Validation Procedures for Predicted Gene Ontology Annotations</i>	
09:40		Francesco Russo (21)	<i>A walking tour in Reproducible Research and Big Data Management with RNASeqGUI and R</i>	
09:50		Riccardo Rizzo (25)	<i>A deep learning approach to DNA sequence classification: first results</i>	
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11:00	COFFEE BREAKS (40 minutes)			
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11:20	SPECIAL SESSION (Knowledge) (5X20 minutes)	Anagha Joshi (27)	<i>Transcription control in human cell types by systematic analysis of CHIP sequencing data from the ENCODE</i>	Anagha Joshi and Tom Michael
11:30		Leen De Baets (29)	<i>Novel unsupervised learning methods for single cell data visualization and trajectory inference</i>	
11:40		Grigorios Amoutzias(32)	<i>Phosphoproteomics: A critical view through the bioinformatics lens</i>	
11:50		Bruno Giotti (31)	<i>Meta-analysis of human cell cycle-associated transcripts using published data</i>	
12:00		Wilbert Sibanda (19)	<i>D-Optimal Designs: Differences in HIV risk profiles between Gen X black women and entire population of black women attending antenatal clinics in South Africa</i>	
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13:40	LUNCH (1:30 h)			
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14:30	INVITED SPEAKER (40 minutes)	Cinzia Viroli	<i>Modeling overdispersion heterogeneity in differential expression analysis using mixtures</i>	Daniel Yekutieli
14:40				
14:50	SPECIAL SESSION (Regularization) (40 minutes)	Chiquet (invited)	<i>Fast tree inference with weighted fusion penalties</i>	Frank Picard
15:10				
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15:50	External Short talk	Asli Ismihan Ozen	<i>NGS data analysis with XploreRNA</i>	To be defined
16:00				
16:10	COFFEE BREAKS (30 minutes)			
16:20				
16:30	SPECIAL SESSION (HPC) (4X20 minutes)	Fabio Tordini (30)	<i>nuChart: embedding High Performance Computing in R for augmented DNA Exploration</i>	Ivan Merelli
16:40		Goutam Saha (13)	<i>A novel technique for reduction of false positives in predicted gene regulatory networks</i>	
16:50		Andrea Tangherloni (33)	<i>Deterministic simulations of large-scale models of cellular processes accelerated on graphics processing units</i>	
17:00		Ivan Merelli (28)	<i>An Hadoop-based algorithm for clustering Protein Structures</i>	
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17:50	Discussion about CIBB2016 edition (30 minutes)			Roberto Tagliaferri; Elia Biganzoli; Clelia Di Serio
18:00				
18:10				
18:20	Closing day			

	SATURDAY SEPTEMBER 12	Speaker	Talk Title	Chair
08:30	REGISTRATION			
09:00				To be decided
09:10	INVITED SPEAKER (40 minutes)	Dirk Husmeier	<i>Bayesian inference of antigenic sites in viral evolution.</i>	To be decided
09:20				
09:30				
09:40	CONTRIBUTED TALKS	Paola Lecca (23)	<i>Identifying modules in biological networks with WG-Clusters.</i>	To be decided
09:50	(3 X 20 minutes)			
10:00		Corrado Mencar (4)	<i>Managing NGS differential expression uncertainty with fuzzy sets</i>	
10:10				To be decided
10:20		Said Abdeddaim (11)	<i>Supervised term weights for biomedical text classification</i>	
10:30				
10:40	COFFEE BREAKS (40 minutes)			
10:50				Roberto Tagliaferri
11:00				
11:10				
11:20	INVITED SPEAKER (40 minutes)	Michele Ceccarelli	<i>Integrative Molecular Analysis Across Adult Glioma: Novel Relationships Between Histological Subtypes and Molecular Signatures.</i>	Roberto Tagliaferri
11:30				
11:40				
11:50				Roberto Tagliaferri
12:00	General Chair talk:(40 minutes)	Erik Bongcam-Rudloff	<i>Challenges in the annotation of NGS data.</i>	
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12:20				LUNCH (1:30 h)
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14:00				Angelo Facchiano
14:10	SHORT CONTRIBUTED TALKS	Emanuel Weitschek (9)	<i>LAF Barcoding: classifying DNA Barcode multi-locus sequences with feature vectors and supervised approaches</i>	
14:20	(5 X 10 minutes):	Giosuè Lo Bosco (16)	<i>Alignment free dissimilarities for sequence classification</i>	
14:30		Eugenio Del Prete (10)	<i>A workflow for the comparative analysis of MALDI-TOF mass spectrometric data in proteomics</i>	
14:40		Amit Dubey (12)	<i>Ethno-pharmacology Based In Silico Approach Tracing Chymase Inhibitors from Herbal Nutraceutical Resources</i>	
14:50		Sebastian Daberdaku (6)	<i>A voxel-based tool for protein surface representation</i>	Claudio Angione
15:00	SPECIAL SESSION (Metabolomics)	Claudio Angione (46)	<i>Measuring adaptation to extreme environments with a multi-omic approach</i>	
15:10	(4X20 minutes + 3x10)	Antonio Starcevic (43)	<i>Proteome semantics – application of natural language processing to peptide mass fingerprinting</i>	
15:20				Claudio Angione
15:30		Andrea Telatin (44)	<i>SNP-SHOT: integrating annotation sources for target enrichment experiments</i>	
15:40				
15:50	COFFEE BREAKS (30 minutes)			
16:00				Claudio Angione
16:10	SPECIAL SESSION (Metabolomics) continuation	Marco Fondi (40)	<i>Modelling metabolic adaptation to cold shock and substrate switching</i>	
16:20				
16:30		Basarbatu Can (45)	<i>Comparative Analysis of Differentially Expressed Pathways in Mouse with ALS</i>	
16:40				
16:50				Claudio Angione
17:00		Federica Chiappori (42)	<i>Psychrophilic protein modeling</i>	
17:10		Donatella De Pascale (41)	<i>Antimicrobial compounds from Antarctic bacteria</i>	
17:20				Closing remarks
17:30				
17:40	Closing day			