

PRELIMINARY PROGRAM

DAY 1 – OCTOBER 10, 2014 (FRIDAY)

8:00 – 8:45	RECEPTION/REGISTRATION
8:45 – 9:00	WELCOME AND INTRODUCTION TO THE ESPCA Andreas K. Gombert, University of Campinas – Unicamp (Brazil)
9:00 – 9:30	THE FAPESP PROGRAM IN BIOENERGY – BIOEN Gláucia Mendes Souza, University of São Paulo – USP (Brazil)
9:30 – 10:00	THE NEW PH.D. PROGRAM IN BIOENERGY – USP, UNICAMP, UNESP Carlos Alberto Labate, University of São Paulo – USP (Brazil)
10:00 – 10:30	COFFEE BREAK
10:30 – 11:15	WHAT IS BIOENERGY AND WHAT IS NOT BIOENERGY? José Goldemberg, University of São Paulo – USP (Brazil)
11:15 – 12:00	L2) A GLOBAL VIEW OF THE CURRENT BIOREFINERY IN BRAZIL Jaime Finguerut, <i>Centro de Tecnologia Canavieira – CTC</i> (Brazil)
12:00 – 13:30	LUNCH
13:30 – 14:15	L3) BIOMASS: WHAT ARE WE CURRENTLY USING FOR BIOENERGY AND WHAT WILL WE USE IN THE FUTURE? <i>To be defined</i>
14:15 – 15:00	L4) PHOTOSYNTHESIS: IS IT POSSIBLE TO IMPROVE/MIMIC IT? Stenbjörn Styrin, University of Uppsala (Sweden)
15:00 – 15:30	COFFEE BREAK
15:30 – 16:15	L4a) HOW WILL PHOTOSYNTHESIS CHANGE DUE TO GLOBAL WARMING Rowan Sage, University of Toronto (Canada)
16:15 – 17:30	L4b) IMPROVEMENTS IN MICROALGAE PHOTOSYNTHESIS Richard Sayre, New Mexico Consortium (USA)
17:30 – 19:00	WELCOME COCKTAIL
19:00	END OF ACTIVITIES

DAY 2 – OCTOBER 11, 2014 (SATURDAY)

8:30 – 9:15	L5) ADVANCES IN GENOMICS OF SUGAR-CANE Marcelo Menossi Teixeira, University of Campinas – Unicamp (Brazil)
9:15 – 10:00	L6) ADVANCES IN SUGAR-CANE PHYSIOLOGY <i>To be defined</i>
10:00 – 10:30	COFFEE BREAK
10:30 – 11:15	L6a) LOW-SUCROSE SUGAR-CANE VARIETIES: A NEW PARADIGM FOR THE BRAZILIAN BIOREFINERIES? Gonçalo A. Pereira, University of Campinas – Unicamp (Brazil)
11:15 – 12:00	L7) CONVERSION OF SUGARS INTO ETHANOL: STATE-OF-THE ART AND PERSPECTIVES FOR 1G ETHANOL <i>To be defined</i>
12:00 – 13:30	LUNCH
13:30 – 15:00	POSTER SESSION 1 (40 posters = 1/3 of total)
15:00 – 15:30	COFFEE BREAK

15:30 – 16:15	L8) CONVERSION OF LIGNOCELLULOSICS INTO ETHANOL: STATE-OF-THE-ART FOR 2G ETHANOL Ton van Maris, Delft University of Technology (The Netherlands)
16:15 – 17:30	L8a) PERSPECTIVES FOR A COMBINED 1G+2G BIOREFINERY <i>To be defined</i>
17:30	END OF ACTIVITIES

DAY 3 – OCTOBER 12, 2014 (SUNDAY)

8:30 – 9:15	L9) BIOFUELS BEYOND ETHANOL Mislav Oreb, University of Frankfurt (Germany)
9:15 – 10:00	L9a) BIOENERGY BEYOND BIOFUELS: LOW-VALUE, HIGH-VOLUME COMPOUNDS Ton van Maris, Delft University of Technology (The Netherlands)
10:00 – 10:30	COFFEE BREAK
10:30 – 11:15	L10) BIOENERGY BEYOND BIOFUELS: HIGH-VALUE, LOW-VOLUME COMPOUNDS <i>To be defined</i>
11:15 – 12:00	L11) SYSTEMS BIOLOGY FOR THE IMPROVEMENT OF MICROBIAL FERMENTATIONS <i>To be defined</i>
12:00 – 13:30	LUNCH
13:30 – 15:00	POSTER SESSION 2 (40 posters = 1/3 of total)
15:00 – 15:30	COFFEE BREAK
15:30 – 16:15	L12) BIOENERGY WITHOUT MICROBIAL CONVERSIONS <i>To be defined</i>
16:15 – 17:30	L13) FERMENTATIONS COUPLED TO CHEMICAL CATALYSIS TO INCREASE THE PRODUCT PORTFOLIO IN THE BIOREFINERY <i>To be defined</i>
17:30	END OF ACTIVITIES

DAY 4 – OCTOBER 13, 2014 (MONDAY)

8:30 – 9:15	L13a) A BIOREFINERY FROM MUNICIPAL WASTE AS A RAW MATERIAL: UTOPIA OR REALITY? Robbert Kleerebezem, Delft University of Technology (The Netherlands)
9:15 – 10:00	L14) A GLOBAL VIEW OF THE BIOREFINERY IN 20 YEARS FROM NOW Antônio Bonomi, Brazilian Bioethanol Science and Technology Laboratory (Brazil)
10:00 – 10:30	COFFEE BREAK
10:30 – 11:15	L15) MOTORS: CURRENT STATUS OF BIOFUEL UTILIZATION Francisco Nigro, University of São Paulo – USP (Brazil)
11:15 – 12:00	L16) MOTORS: DEVELOPMENT OF NEW TECHNOLOGIES FOR BIOFUELS UTILIZATION <i>To be defined</i>
12:00 – 13:30	LUNCH
13:30 – 15:00	POSTER SESSION 3 (40 posters = 1/3 of total)
15:00 – 15:30	COFFEE BREAK
15:30 – 16:15	L16a) MOTORS: A HYBRID BIOFUEL-ELETRICITY CAR. VIABLE? <i>To be defined</i>
16:15 – 17:30	L16B) BIOFUELS FOR AIRPLANES: CAN IT BE TURNED INTO A GLOBAL COMMODITY?

Francisco Nigro, University of São Paulo – USP (Brazil)

17:30	END OF ACTIVITIES
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DAY 5 – OCTOBER 14, 2014 (TUESDAY)

8:00	VISIT TO A TRADITIONAL SUGAR-CANE MILL (INDUSTRIAL PART) AND TO THE FARNESENE PLANT OF AMYRIS IN BROTAS-SP
18:00	ARRIVAL BACK IN CAMPINAS

DAY 6 – OCTOBER 15, 2014 (WEDNESDAY)

8:30 – 9:15	L16c) HOW CAN MECHANICAL HARVEST OF SUGAR-CANE BE IMPROVED Oscar Braunbeck, Brazilian Bioethanol Science and Technology Laboratory (Brazil)
9:15 – 10:00	L16d) PRECISION AGRICULTURE AND HOW IT CAN CONTRIBUTE TO BIOMASS GENERATION Luís Cortez, University of Campinas – Unicamp (Brazil)
10:00 – 10:30	COFFEE BREAK
10:30 – 11:15	L16e) ETHANOL 360: CAN WE EXPAND ETHANOL PRODUCTION BEYOND THE SUGAR-CANE HARVESTING SEASON? Dario Costa Gaeta, Sermatec (Brazil)
11:15 – 12:00	L16f) ETHANOL FROM CORN: LESSONS FROM THE USA <i>To be defined</i>
12:00 – 13:30	LUNCH
13:30 – 14:15	L17) SUSTAINABILITY: ENVIRONMENTAL ASPECTS Luis Schiesari, University of São Paulo – USP (Brazil)
14:15 – 15:00	L18) SUSTAINABILITY: SOCIAL ASPECTS Márcia Azanha, Luiz de Queiroz College of Agriculture – Esalq (Brazil)
15:00 – 15:30	COFFEE BREAK
15:30 – 16:15	L19) SUSTAINABILITY: ECONOMICAL ASPECTS <i>To be defined</i>
16:15 – 17:30	L19a) BIOENERGY: HOW TO REALIZE THIS ENDEAVOR? <i>To be defined</i>
17:30	END OF ACTIVITIES

DAY 7 – OCTOBER 16, 2014 (THURSDAY)

8:00	VISIT TO A SUGAR-CANE MILL IN THE PIRACICABA REGION (AGRICULTURAL PART)
12:00 – 13:00	TRANSFER FROM PIRACICABA TO CTBE
13:00 – 13:30	LUNCH AT CTBE
13:30 – 17:00	VISIT AT CTBE (DIVIDED INTO GROUPS)
17:00	TRANSFER FROM CTBE TO UNICAMP
20:00	DINNER (OPTIONAL AND SELF-FINANCED)

DAY 8 – OCTOBER 17, 2014 (FRIDAY)

9:00 – 9:45	THE FAPESP GRANTING SYSTEM Someone from FAPESP
9:45 – 10:30	THE SÃO PAULO CENTER FOR BIOENERGY INITIATIVE <i>To be defined</i>
10:30 – 11:00	COFFEE BREAK
11:00 – 12:30	5 (1/2 OF TOTAL) SELECTED ORAL PRESENTATIONS BY PARTICIPANTS
12:30 – 14:00	LUNCH
14:00 – 15:30	5 (1/2 OF TOTAL) SELECTED ORAL PRESENTATIONS BY PARTICIPANTS
15:30 – 16:00	COFFEE BREAK
16:00 – 17:00	CLOSING: COURSE EVALUATION, BEST POSTER AWARD AND FAREWELL
17:00	END OF ACTIVITIES