

Overview of CML related sessions at 21th EHA Meeting in Copenhagen

Time slots	Sessions	Location
June 9th (Thursday)		
8.00 – 10.00	<p>Satellite Symposium: Improving outcomes: individualising therapy in CML (Supported by Pfizer)</p> <p>Chair:</p> <ul style="list-style-type: none"> • Prof. Jorge Cortes (M.D. Anderson Cancer Center, Houston, USA) <p>Program:</p> <ul style="list-style-type: none"> • Introduction: The need for personalised medicine (J. Cortes) • Translating clinical trial data into daily clinical practice: individualising therapy in CML (D. Wolf) • Choosing the right TKI in patients with cardiovascular risk factors (J. Cortes) • Understanding the patient perspective: Balancing efficacy and toxicity for an optimal QoL (J. Janssen) • Improving outcomes in CML: Aiming towards cure (P. Rousselot) 	Room H4
13.30 – 15.30	<p>Satellite Symposium: Current and emerging treatment goals in chronic myeloid leukemia (Supported by Novartis Oncology)</p> <p>Chair:</p> <ul style="list-style-type: none"> • Prof. Michele Baccarani (University of Bologna, Italy) <p>Program:</p>	Room Auditorium 1

Time slots	Sessions	Location
	<ul style="list-style-type: none"> Welcome (M. Baccarani) Treatment-free remission: An emerging goal in CML (F-X. Mahon) Applying molecular monitoring guidelines and recommendations (N. Cross) Optimizing frontline TKI selection for patients with CML-CP (G. Saglio) Treatment switch and second-line TKI therapy (T. Hughes) Looking forward in CML therapy (O. Ottmann) Closing remarks (M. Baccarani) 	
16.15 – 18.15	<p>Satellite Symposium: Optimizing treatment for patients with CP-CML and PH+ALL (Supported by Ariad)</p> <p>Chairs:</p> <ul style="list-style-type: none"> Prof. Andreas Hochhaus (Universität Jena, Germany) Dr Joan Bladé (Hospital Clinic, Barcelona, Spain) <p>Program:</p> <ul style="list-style-type: none"> Welcome and introduction (H. Kantarjian, J. Stentoft) CML: Chronic disease vs risk of leukemia – how can optimal monitoring improve patient care? (M. Müller) Sustained efficacy PACE 4-year update (J. Apperley) Where is today's medical need for patients with Ph+ALL (P. Rosselot) Is stem cell transplantation still an option for patients with PH+ALL achieving CMR (H. Kantarjian) What is the role of next generation sequencing in the diagnosis and monitoring of PH+ALL (H. Lavallade) 	Hall A3

Time slots	Sessions	Location
June 10th (Friday)		
8.00 – 9.30	Educational Session: Chronic Myeloid Leukemia Chair: <ul style="list-style-type: none"> Prof. Simona Soverini (University of Bologna, Italy) Program: <ul style="list-style-type: none"> Modelling CML blast crisis (B. Huntly) What have we learned from stopping TKI treatment in CML? (S. Saußeale) Immunological predictors of successful treatment discontinuation (S. Mustjoki) 	Hall C11
8.30 – 9.30	Scientific working group: ELN-EHA-SWG on chronic myeloid leukemia (CML) Chair: <ul style="list-style-type: none"> Prof. Rüdiger Hehlmann (Med. Klinikum Universität Mannheim, Germany) Program: <ul style="list-style-type: none"> Can we confidently predict who will progress to blast crisis? (R. Clark) Relevance of digitalized PCR for monitoring deep response (N. Pallisgard) What is known on common pathways from whole genome/exome sequencing, gene expression and epigenetics (NN) Potential mechanisms contributing to adverse vascular events in CML patients treated with BCR-ABL1 TKI (P. Valent) 	Auditorium 2
9.45 – 11.45	Educational Session: Chronic Myeloid Leukemia Chair:	Hall C11

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	<ul style="list-style-type: none"> Prof. Simona Soverini (University of Bologna, Italy) <p>Program:</p> <ul style="list-style-type: none"> Modelling CML blast crisis (B. Huntly) What have we learned from stopping TKI treatment in CML? (S. Saußeale) Immunological predictors of successful treatment discontinuation (S. Mustjoki) 	
15.45 – 17.00	<p>Plenary Session: Presidential Symposium</p> <p>Program:</p> <ul style="list-style-type: none"> 15.45 – 15.55: (S145): Stopping tyrosine kinase inhibitors in a very large cohort of European chronic myeloid leukemia patients: results of the Euro-Ski trial (J. Richter)... 	Hall A1
17.15 – 18.45	<p>Poster Session: Chronic Myeloid Leukemia – Clinical 1</p> <p>Chair:</p> <ul style="list-style-type: none"> Dr Valentín García-Gutiérrez (Hospital Universitario Ramón y Cajal Madrid, Spain) <p>Program:</p> <ul style="list-style-type: none"> (LB237): Results from Enestop: treatment-free remission following switch to nilotinib in patients with chronic myeloid leukemia in chronic phase (CML-CP) (T.H. Hughes) (P227): De-escalation of tyrosine kinase inhibitor therapy is safe in chronic myeloid leukaemia in durable molecular response (\geqMR3 for \geq 12 months): initial results in the British destiny study (R. Clark) (P228): Long-term efficacy and safety of ponatinib in heavily pretreated leukemia patients: 4-year results from the pivotal 2 pace trial (J.E. Cortes) (P229): Successful treatment free remission in CML after 2 year consolidation with nilotinib of an MR4.5 response level achieved originally with imatinib treatment first report from STAT2 trial in Japan (N. Tkahashi) 	Poster area (Hall H)

Time slots	Sessions	Location
	<ul style="list-style-type: none"> • (P230) Impact of second decline rate of BCR-ABL1 transcript between M3 and M6 on clinical outcome for chronic phase chronic myeloid leukemia patients treated with imatinib: predictive aspects for the true life (G. Etienne) • (P231): Efficacy and safety of first-line treatment with nilotinib in elderly chronic myeloid leukemia patients (G. Gugliotta) • (P232): Late relapses up to 45 months after imatinib discontinuation: results from the ISAV study (S. Mori) • (P233): Assessment of therapy response in chronic myeloid leukemia via 1 month BCR-ABL1 transcript decline (M. El Missry) • (P234): Development and evaluation of a MR1-MR4.5 secondary lyophilized cell reference panel for BCR-ABL quantification on the international scale (N. Cross) • (PP235): Tyrosine kinase inhibitors discontinuation in chronic myeloid leukemia: a retrospective analysis of 208 Italian patients (C. Fava) • (P236): Managing children and adolescents with chronic myeloid leukemia treated with high-dose imatinib. The Italian experience (F. Giona) 	
17.15 – 18.45	<p>Update in Hematology: Biosimilars – shaping the future of hematology (Supported by Novartis Sandoz)</p> <p>Chair:</p> <ul style="list-style-type: none"> • Prof. Roberto Foà (Sapienza University of Rome, Italy) <p>Program:</p> <ul style="list-style-type: none"> • Welcome & Introduction (R. Foà) • The need for biosimilars and the challenge of extrapolation: a clinical perspective (A. López-Guillero) • The science of biosimilars: from quality to extrapolation (M. Schiestl) • The evidence of extrapolation: a regulatory perspective (S. Thirstrup) 	Room H4

Time slots	Sessions	Location
	<ul style="list-style-type: none"> Conclusions & closing remarks (R. Foà) 	
June 13th (Saturday)		
8.00 – 9.30	<p>Advocacy Track: Patient Advocacy Session 1: Collaboration in networks to improve treatment and care: European Reference Networks</p> <p>Chairs:</p> <ul style="list-style-type: none"> AL Brunetta (Associazione Ligure Talassemici Oulus) S. Wintrich (MDS Alliance) <p>Program:</p> <ul style="list-style-type: none"> 8.00 – 8.15: Opening Remarks (AL Brunetta & S. Wintrich) 8.15 – 8.30: European Reference Networks (E. Terol) 8.30 – 8.45: ERN in hematology: The opportunity to boost hematology research, treatment and care (JL Vives Corrons) 8.45 – 9.00: Patient perspective on European reference networks (A. Plate) 9.00 – 9.15: How ERN's will take pan-European clinical collaboration to the next level (tba) 9.15 – 9.30: Closing remarks (AL Brunetta & S. Wintrich) 	Hall C15
8.30 – 9.30	<p>Scientific working group: Quality of life symptoms: Transferring the science of assessing response to treatment in haematological malignancies: a pro perspective</p> <p>Chair:</p> <ul style="list-style-type: none"> Dr Esther Oliva (Azienda Ospedaliera Bianchi Melacrinò Morelli, Reggio Calabria, Italy) <p>Program:</p> <ul style="list-style-type: none"> Challenges of assessing symptoms for monitoring response to treatment in patients with 	Room H4

Time slots	Sessions	Location
	<p>haematological malignancies: Learnings from best practice (J. Kell)</p> <ul style="list-style-type: none"> Challenges of assessing symptom burden in patients with haematological malignancies: Academic perspective (T. Ionova) Symptoms and health-related quality of life issues considered important by patients with haematological malignancies: Patient perspective (R. Else) Symptoms and health-related quality of life issues considered important by patients with haematological malignancies: Patient perspective (P. Goswami) 	
11.30 – 12.45	<p>Oral Presentations: Chronic Myeloid Leukemia – Clinical</p> <p>Chairs:</p> <ul style="list-style-type: none"> Prof. Gianantonio Rosti (St. Orsola University Hospital Bologna, Italy) Prof. Tim Brummendorf (Uniklinik of RWTH Aachen, Germany) <p>Program:</p> <ul style="list-style-type: none"> 11.30 – 11.45: (S432) Efficacy and safety of imatinib generics: a report from Polish (PALG) imatinib generics registry (T. Sacha) 11.45 – 12.00: (S433) Glucose and lipid metabolism abnormalities during nilotinib treatment and comparison with imatinib and dasatinib therapy – results from Enigma 2 study (Z. Racil) 12.09 – 12.15: (S434) The Eutos long-term survival score is predictive for response and outcome in CML patients treated frontline with nilotinib-based regime (F. Castagnetti) 12.15 – 12.30: (S435) High gene expression at HIST1H2AG and HIST1H4A reduces imatinib uptake into CML cells and predicts poor response to frontline imatinib therapy (C.H. Kok) 12.30 – 12.45: (S436) Alleles of SNPS in regulatory regions of SLC22A4 and SLC22A5 genes are significantly associated with stable major molecular response to imatinib first line in patients with chronic myeloid leukemia (K. Machova Polakova) 	Hall A2

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11.30 – 12.45	<p>Advocacy Track: Patient Advocacy Session 2: The new regulation on clinical trials</p> <p>Chair:</p> <ul style="list-style-type: none"> C. Roffiaen <p>Program:</p> <ul style="list-style-type: none"> 11.30 – 11.40: Opening remarks (C. Roffiaen) 11.40 – 11.55: Regulatory framework of the CTR: Timelines and facts any investigator should know (tba) 11.55 – 12.10: Challenges and opportunities for investigators in the CTR (tba) 12.10 – 12.25: Ethics that matter: How does ethical review work in the new CTR (tba) 12.25 – 12.40: Patient involvement in clinical trials: What change does the CTR bring? (J Geissler) 12.40 – 12.45: Closing remarks (C. Roffiaen) 	Hall C15
14.45 – 15.45	<p>Meet-the-expert: Managing CML and MPN in pregnancy (case-based discussion) (Ticket: EUR 10,-)</p> <p>Chair:</p> <ul style="list-style-type: none"> NN 	Room B31
14.45 – 15.45	<p>Hematology-in-Focus: Next generation sequencing for MRD detection</p> <p>Chair:</p> <ul style="list-style-type: none"> Professor Christian Thiede (Technische Universität Dresden) <p>Program:</p> <ul style="list-style-type: none"> NGS-based MRD detection for myeloid malignancies (M. Heuser) The association of mutation clearance after chemotherapy and outcomes in AML (J. Klco) 	Hall C11

Time slots	Sessions	Location
16.00 – 17.15	<p>Oral Presentation: Chronic Myeloid Leukemia – Biology</p> <p>Chairs:</p> <ul style="list-style-type: none"> • Prof. Francois-Xavier Mahon (Bergonie Institute Bordeaux, France) • Prof. Richard Clark (University of Liverpool, United Kingdom) <p>Program:</p> <ul style="list-style-type: none"> • 16.00 – 16.15: (S491) Role of the MSC-derived exosomal and endogenous JAK2-SET/PP2A-B-Catenin-moudlator MIR-300 in leukemic stem/progenitor proliferation and survival in CML (D. Perotti) • 16.15 – 16.30 (S492) Identifying, tracking and visualization CML blast crisis stem/progenitor cells bases on single-cell mass cytometry analysis (H. Zhou) • 16.30 – 16.45 (S493) Dynamics of somatic mutations commonly detected in other myeloid neoplasms beyond the BCR-ABL gene rearrangement in response to tyrosine kinase inhibitor therapy in CML (T. Kim) • 16.45 – 17.00 (S494) The adverse effect of cancerous inhibitor of protein phosphatase 2A, are linked with reduction of functional B56Gamma, a regulatory subunit of protein phosphatase 2A, in chronic myeloid leukemia (J.A. Austin) • 17.00 – 17.15 (S494) Modelling ponatinib resistance in BCR-ABL1+ cell lines: implications for ponatinib therapy (L. Lu) 	Hall C11
16.00 – 17.15	<p>EHA Advocacy Session: Innovations in hematology: Cost and benefit</p> <p>Chairs:</p> <ul style="list-style-type: none"> • E. Macintyre • U. Jäger (Medical University of Vienna, Austria) <p>Program:</p> <ul style="list-style-type: none"> • 16.00 – 16.15: Opening remarks (U. Jäger & E. Macintyre) • 16.15 – 16.30: Cost of personalized and innovative diagnostics (tba) 	Hall C15

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	<ul style="list-style-type: none"> 16.30 – 16.45: EMA and the PRIME program (tba) 16.45 – 17.00: Patient perspective (E. Low) 17.00 – 17.15: Closing remarks (U. Jäger & E. Macintyre) 	
17.30 – 19.00	<p>Poster Session: Chronic Myeloid Leukemia – Biology</p> <p>Chair:</p> <ul style="list-style-type: none"> Dr Katerina Machova Polakova (Institute of Hematology and Blood Transfusion Prague, Czech Republic) <p>Program:</p> <ul style="list-style-type: none"> (P600): Somatic mutations in newly diagnosed chronic myeloid leukemia detected by whole-exome sequencing (C. Nakaseko) (P601): Rock as therapeutic target for morphea low CML (S. Rocca) (P602): A novel C-terminal HSP 90 inhibitor with therapeutic effect in imatinib resistance CML (S. Bhatia) (P603): Resistance on chronic myeloid leukemia: Therapeutic targeting of Escape Via CSF2RB (C. Becker) (P604): Mitochondrial DNA mutations identify clonal heterogeneity in chronic myeloid leukemia (I.S. Pagani) (P605): Clonal structures of leukemia stem cell populations in myeloid blast phase chronic myeloid leukaemia (D. Karamitros) (P606): Role of the aurora kinase A axis in imatinib resistance of chronic myeloid leukemia CD34+progenitor (M. Mancini) (P607): Presence of somatic and germline mutations in epigenetic modifiers in CML-CP (G. Nteliopoulos) 	Poster area (Hall H)

Time slots	Sessions	Location
17.30 – 19.00	<p>Poster Session: Chronic Myeloid Leukemia – Clinical 2</p> <p>Program:</p> <ul style="list-style-type: none"> • (LD618): Results from enestfreedom treatment-free remission following frontline nilotinib in patients with chronic myeloid leukemia in chronic-phase (CML-CP) (G. Saglio) • (P608): Assessment of BCR-ABL1 transcript levels by digital PCR (DPCR) in 116 PH+ CML patients treated with tyrosine kinase inhibitors: a comparative analysis between DPCR and QPCR (S. Bernardi) • (P609): Molecular response of B2A2 BCR-ABL1 transcript are inferior to B3A2 type in newly diagnosed patients with chronic myeloid leukaemia at chronic phase treated with frontline imatinib – Taiwan CML study (M.C. Wang) • (P610): The incidence and natural history of dasatinib complications in the treatment of chronic myeloid leukemia (L. Fox) • (P611): The HOCT1/ABCB1 dipotype is associated with complete cytogenetic response and tolerability to imatinib in patients affected by chronic myeloid leukemia (S. Galimberti) • (P612): Real-life comparison of dasatinib and nilotinib as second-line therapy after failure for chronic phase CML (M. Tribelli) • (P613): Facts that influence patient willingness to attempt treatment-free remission in chronic myeloid leukemia (D. Ross) • (P614): Genetic variability of oxidative stress and DNA repair genes – potential prognostic and therapeutic biomarkers in chronic myeloid leukemia (A.C. Gancalves) • (P615): Landmark analysis in the pivotal ponatinib pace trial: impact of early response on 3-year outcomes in heavily pretreated CP-CML patients (M. Mueller) • (P616): BCR-ABL1 transcript level on day +28 can predict early molecular response at 3 months and major molecular response at 12 months in chronic myeloid leukemia patients who treated with frontline dasatinib (W.S. Lee) 	Poster area (Hall H)

Time slots	Sessions	Location
	<ul style="list-style-type: none"> (P617): The impact of early molecular response on long-term outcomes in patients with chronic myeloid leukemia in chronic-phase (CML-CP) treated with dasatinib or imatinib from the Dasision trial (F. Stegelmann) 	