

Prof. Dr. H. Döhner

Dr. H. Döhner is a Professor of Medicine, since 1999 he is Medical Director of the Department of Internal Medicine III (Hematology, Oncology, Palliative Medicine, Rheumatology, and Infectious Diseases) of Ulm University Hospital, since 2006 founding Director of the Comprehensive Cancer Center Ulm, and since 2012 Coordinating Investigator of the Collaborative Research Center SFB 1074 “Experimental Models and Clinical Translation in Leukemia”.

Dr. Döhner studied Medicine at the Universities of Regensburg, Freiburg, and Montpellier (France). He received his training in Hematology and Medical Oncology at the University of Heidelberg (Prof. Dr. W. Hunstein). Between 1988 and 1990, he spent a two-year period as a post-doctoral associate in the Department of Medicine, Division of Oncology (Prof. Clara D. Bloomfield), and the Department of Laboratory Medicine and Pathology, Division of Medical Genetics (Prof. Diane C. Arthur), University of Minnesota, Minneapolis, USA.

Dr. Döhner is an expert in the conduct of clinical trials and in the identification, characterization and clinical diagnosis of genetic changes in hematologic malignancies, including both acute and chronic leukemias. Dr. Döhner is chairman of the German-Austrian AML Study Group (AMLSG). His Department harbors the genetic reference laboratory for several multicenter trial groups, including the AMLSG, the German Study Group for Myeloproliferative Neoplasms (GSG-MPN), the German CLL Study Group (DCLLSG), and the German Study Group for Multiple Myeloma (DSMM).

Dr. Döhner holds and was holding multiple leadership positions in the scientific community of hematology/oncology including Member of the Executive Board of the European Hematology Association (EHA) (2007-2011); Member of the Hinterzartener Kreis für Krebsforschung, Deutsche Forschungsgemeinschaft (2008-2012); Member of the Clinical Advisory Committee of the WHO Classification of Hematopoietic and Lymphoid Neoplasms 2008 and 2016; Member of the Myeloid Neoplasia Committee of the American Society of Hematology (2011-2014); Member of the Advisory Committee of the International Working Group in CLL (IWCLL); Member of the Nomination Committee of the European Hematology Association (EHA) (2014-2018); Member of the Committee “Klinische Forschung, kliniknahe Grundlagenforschung” of the Deutsche Krebshilfe (2015-2018); Member of the Scientific Committee, European School of Haematology (ESH) (2018-2020).

In 2012, H. Döhner was elected Member of the Berlin-Brandenburg Academy of Sciences and Humanities; he is the recipient of the 2014 José Carreras Award of the European Hematology Association, one of the most prestigious awards in European hematology; since 2014, H. Döhner is ranked among the top 1% of researchers for most cited documents, in their specific field (Thomson Reuters Highly Cited Researcher Statistics). [April 2021]

Current Positions:

- Medical Director, Department of Internal Medicine III (Hematology, Oncology, Palliative Medicine, Rheumatology, and Infectious Diseases), University Hospital Ulm, Ulm, Germany
 - Director, Comprehensive Cancer Center Ulm (CCCU)
 - Coordinating Investigator, Collaborative Research Center (SFB) 1074 ‘Experimental models and clinical translation in leukemia’
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Place of Birth: Bad Kreuznach, Germany

University Education:
1976-1977 University of Regensburg Medical School, Regensburg, Germany
1977-1979 University of Freiburg Medical School, Freiburg, Germany
1979-1980 One year scholarship at the University of Montpellier Medical School, Montpellier, France
1980-1983 University of Freiburg Medical School, Freiburg

Degrees:
1985 *Doctor of Medicine*, University of Freiburg Medical School, Freiburg, Germany
1994 *Private Dozent (Habilitation)*, University of Heidelberg Medical School, Heidelberg, Germany
1999 *Professor of Medicine*, University of Ulm

Board Certification
1993 Internal Medicine
1998 Hematology and Oncology

Professional Experience:
1983-1985 Residency in Surgical Pathology, Institute of Pathology, St. Vincentius-Krankenhäuser (Prof. H.M. Schneider, Dr. H. Wolfmüller), Karlsruhe, Germany
1985-1988 Training in Internal Medicine / Hematology/Oncology, Medizinische Klinik and Poliklinik V (Prof. W. Hunstein), University of Heidelberg, Germany
1988-1990 Postdoctoral Associate in the Department of Medicine, Division of Oncology (Prof. Clara D. Bloomfield), and the Department of Laboratory Medicine and Pathology, Division of Medical Genetics (Prof. Diane C. Arthur), University of Minnesota, Minneapolis, MN, USA
1990-1993 Training in Internal Medicine / Hematology/Oncology, Medizinische Klinik and Poliklinik V (Prof. W. Hunstein), University of Heidelberg, Germany
1993-1999 *Oberarzt*, Division of Hematology/Oncology and Rheumatology; Department of Medicine (Director Prof. Dr. W. Hunstein; since 1997: Prof. A.D. Ho), University of Heidelberg, Heidelberg, Germany
2003-2011 Director, Department of Medicine, University Hospital Ulm
Since 1999 Medical Director, Department of Internal Medicine III, University of Ulm Medical Center
Since 2006 Director, Comprehensive Cancer Center Ulm (CCCU)
Since 2012 Coordinator, Collaborative Research Center (SFB) 1074 'Experimental models and clinical translation in leukemia'
2014-2015 Vice President for Medicine and Diversity, Ulm University
2018-2020 Director, Department of Medicine, University Hospital Ulm

Memberships
1993 American Society of Hematology
1996 German Society of Hematology/Oncology
2001 European Hematology Association
2002 American Society of Clinical Oncology

2006 Deutsche Krebsgesellschaft

Awards

1979-80 Scholar, Deutscher Akademischer Austauschdienst
1988-90 Research Scholar, Mildred Scheel Stiftung
1995 Leukemia Clinical Research Award
of the German Society of Hematology/Oncology
2009 Recipient of the Kenneth McCredie Lectureship, International
Association for Comparative Research on Leukemia and Related
Disorders (IACRLRD), Ohio, USA
2010 Anita- and Cuno-Wieland Research Award for Translational
Cancer Research, University of Heidelberg
2011 Wilhelm-Warner Award for Cancer Research, Hamburg
2012 Elected member, Berlin-Brandenburg Academy of Sciences and
Humanities
2014 José Carreras Award of the European Hematology Association
(EHA)
2019 Medal of the Polish Society of Haematologists and
Transfusiologists in acknowledgement of his special merit in the
field of international haematology and his significant contribution
to the development of this science
2019 Binet-Rai Medal of the International Workshop of Chronic
Lymphocytic Leukemia in acknowledgement of his outstanding
scientific achievements in CLL research
Since 2014 Clarivate Web of Science Highly Cited Researcher –
In recognition of ranking among the top 1% of researchers for
most cited documents, in their specific field

Review for Journals and Organisations

- Annals of Hematology
- Blood
- European Journal of Immunology
- Genes Chromosomes and Cancer
- Haematologica/The Hematology Journal
- International Journal of Cancer
- Journal of Clinical Oncology
- Lancet
- Leukemia
- New England Journal of Medicine

- Associazione Italiana per la Ricerca sul Cancro
- Boehringer Ingelheim Foundation
- Deutsche Forschungsgemeinschaft
- Deutsche Krebshilfe
- Elke Kröner Fresenius Stiftung
- German-Israeli Foundation for Scientific Research and Development
- Medical Research Council, London, England
- Wilhelm-Sander Stiftung

Board / Committee Member

- Comprehensive Cancer Center Ulm (CCCU)
- Kompetenznetz “Acute and Chronic Leukemias”

- Scientific Committee of the *International Workshop of Chronic Lymphocytic Leukemia (IWCLL)*
- Elected Member (2004-2008), “Fachkollegium Medizin”, Deutsche Forschungsgemeinschaft
- Member, Leukemia Correlative Science Committee, Cancer and Leukemia Group B (CALGB), since 2006
- Member, Clinical Advisory Committee, WHO Classification of Hematopoietic and Lymphoid Neoplasms 2008
- Project Leader, Educational Committee, European Hematology Association (2005-2008)
- Member, Board (2003-2007), European Hematology Association (EHA)
- Member, Executive Board (2007-2012), European Hematology Association (EHA)
- Member, Hinterzarter Kreis für Krebsforschung, DFG (2008-2012)
- Elected Member, World Committee, International Association for Comparative Research on Leukemia and Related Disorders (IACRLRD) (2009-2013)
- Board of Directors, On-line Master Program “Advanced Oncology”, Ulm University
- Elected Member, Myeloid Neoplasia Committee, American Society of Hematology (2010-2013)
- Scientific Advisory Board, Center for Hematology and Regenerative Medicine (HERM), Karolinska Institute, Stockholm (since 2011)
- Appointed member, Haematology Working Group, Topic Advisory Group (TAG) for Internal Medicine, International Classification of Diseases (ICD), 11th edition (2011)
- Member of Advisory Board, Comprehensive Cancer Center Düsseldorf (since 2013)
- Member, Clinical Advisory Committee, WHO Classification of Hematopoietic and Lymphoid Neoplasms 2014
- Member, Nomination Committee, European Hematology Association (EHA)
- Member, Committee ‘Klinische Forschung, kliniknahe Grundlagenforschung’, Deutsche Krebshilfe (2014-2018)
- Member, Scientific Committee of the European School of Haematology (ESH) (2018-2020)
- Member, Scientific Advisory Board, Center for Cancer Research of Marseille (CRCM), France (since 2019)

Invited Faculty (Selected International Meetings, since 2012)

- European School of Hematology (ESH) Updates in Clinical Hematology, Paris, France, February 2012
- Leopoldina Symposium ‘Molecular Diagnostics - Today and Tomorrow’, Venice International University, San Servolo, Italy, June 2012
- 2nd Munich Biomarker Conference, Munich, November 2012
- Acute Leukemias XIV, Munich, February 2013
- 6th Mildred Scheel Cancer Conference, Bonn, June 2013
- XXVI IACRLRD Meeting, Torino, Italy, September 2013
- Sant Pau International Course on Biology and Treatment of Hematologic Diseases, Barcelona, February 2014
- 31st German Cancer Congress, Berlin, February 2014 am 18.-19.02.2014, Berlin
- OeGHO Spring Meeting, Innsbruck, April 2014
- 19th Congress of the European Hematology Association, José Carreras Award Lecture, Milan, Juni 2014
- Annual Meeting of the German-Austrian-Swiss Societies of Hematology/Oncology: Update Diagnostik und prognostische Faktoren bei AML. Hamburg, October 2014
- The Emil J. Freireich Hematology Grand Rounds, MD Anderson Cancer Center: Genetics to Guide Management of Patients with Acute Myeloid Leukemia. Houston, Texas, 10. December 2014
- Opinion Leader Meeting, German Society of Internal Medicine; From Genome to Medicine – Acute Myeloid Leukemia. Schloss Reichartshausen, Eltville, 16.01.2015
- Acute Leukemias XV – Biology and Treatment Strategies: Molecularly Targeted Therapies – Strategies of the AMLSG. Munich, February 22-25, 2015
- Acute Leukemias XV – Biology and Treatment Strategies: Molecularly Targeted Therapies – Strategies of the AMLSG. Munich, February 22-25, 2015

- AML & MM 2015: Akute Myeloische Leukämie – Zukünftige Entwicklungen und aktuelle Studien. Graz, February 27, 2015
- L'Ematologia Nell'Era Post-Genomica: La Medicina Di Precisione: Genomic application in the clinic: acute myeloid leukemia. Pavia, Italy, 23. May 2015
- 20th Congress of the European Hematology Association, Haematologica Celebration Session: 'Translating Molecular Genetics of AML into Clinical Care'. Vienna, 13th June 2015
- ESH International Conference on Acute Myeloid Leukemia "Molecular and Translational": Advances in Biology and Treatment. Budapest: "Treatment of older patients considered not suitable for intensive chemotherapy." Hungary, September 2015
- Leukemia & Lymphoma 2015: "Genomics in AML. Contributions to understanding Biology and Designing Therapy". Dubrovnik, Croatia, September 23-25 2015.
- IV Eurasian Hematology Forum: "Molecular Genetics Guiding Treatment of Acute Myeloid Leukemia". St. Petersburg, March 4, 2016.
- Hematological Malignancies: From Mechanisms to Therapy Symposium: "Translating Molecular Genetics of AML into Clinical Care". Institute of European Oncology, Milano, March 10, 2016.
- 36^e Congrès de la Société Française d'Hématologie: "Prognostic Molecular Markers in AML". Paris, March 24, 2016.
- New Drugs in Hematology: "Acute Myeloid Leukemia – State of the Art of Treatment". Bologna, May 9-11, 2016.
- 2nd International Conference Clinical and Experimental Hematology: "Clinical trial design based on molecular heterogeneity of AML". Kazimierz Dolny, Poland, May 20-22, 2016.
- QOL-One MDS and AML Meetings: "Molecular genetics guiding treatment of AML". Reggio Calabria, Italy, September 16-18, 2016.
- Vidaza AML Launch meeting: „AZA AML 001: International phase 3 study of azacitidine vs conventional care regimens". Madrid, Spain, October 1, 2016.
- Joint Symposium of the Spanish Society of Hematology (SEHH) and European Hematology Association (EHA): „Unsolved questions to be addressed by European clinical trials in in AML“. Santiago de Compostela, Spain, October 22, 2016.
- Acute Leukemias XVI Meeting: "Risk-adapted therapy of AML – AMLSG trials." Munich, February 19-21 2017.
- ESH Training Course on WHO Classification: "Genotype-tailored therapy of AML". Dublin, Ireland, March 9-11, 2017.
- Spring Meeting of the Austrian Society of Hematology and Medical Oncology (OeGHO): "Classification and risk stratification of AML". Bregenz, Austria, April 6-8, 2017.
- 41st Catalan Society of Hematology Annual Symposium: "New therapeutic strategies towards molecular targets in AML: logistics and results". Barcelona, Spain, June 2, 2017.
- 22nd Congress of the European Hematology Association: Novartis Satellite Symposium: "Current recommendations for genetic testing in AML". Madrid, Spain, June 22-25, 2017.
- 22nd Congress of the European Hematology Association: Abbvie Satellite Symposium: "Efficacy and safety of AML therapy: Current recommendations for diagnosis and management". Madrid, Spain, June 22-25, 2017.
- Personalized treatment strategies on myeloid neoplasms: "2017 ELN recommendations for AML." Milano, Italy, September 25-26, 2017.
- Actualización en el Tratamiento de la Leucemia Aguda: „New treatment strategies in younger adult patients.“ Madrid, September 28-30, 2017.
- XXVIII Symposium of the International Association for Comparative Research on Leukemia and Related Diseases (IACRLRD): "Molecular targets in AML". Houston, October 30 – November 1, 2017.
- 59th Meeting of the American Society of Hematology (ASH), AML Satellite Symposium "Targeting with FLT3 Tyrosine Kinase Inhibitors in Acute Myeloid Leukemia": "German-

- Austrian AML Study Group experience with FLT3 inhibitors in AML". Atlanta, December 8-12, 2017.
- 7th Annual Symposium on Hematological Malignancies (Critical Reviews) | Saudi Arabia: "AML 2018: State of the Art" and "The Emerging Role of Novel Therapies for AML". Riyadh, Saudi Arabia, March 3, 2018.
 - BFM Plenary Meeting: Keynote Lecture "Diagnostics and therapy of AML in adults – State-of-the-Art 2018". Ulm, March 23, 2018.
 - Personalized therapies in myeloid neoplasms: "Personalised approach to AML". Milano, May 3, 2018.
 - Meet the Expert: "Factors with prognostic impact in elderly patients with AML and how to improve the outcome". Madrid, May 30, 2018.
 - 23rd Congress of the European Hematology Association: "Molecular characterization as a basis for novel treatment paradigms in AML". Stockholm, June 17, 2018.
 - Karolinska Hematology Seminar XVI: "Acute myeloid leukemia: an update". Rånäs Castle, Norrtälje, Sweden, September 13-14, 2018.
 - Actualización en el Tratamiento de la Leucemia Aguda: "Targeted agents in AML", "The AMLSG experience with FLT3 inhibitors". Madrid, Spain, September 28-29, 2018.
 - The 80th Annual Meeting of Japanese Society of Hematology: "Molecular targeted therapy of acute myeloid leukemia ". Osaka, Japan, October 12, 2018.
 - Singapore General Hospital and National University Hospital Singapore: "Overview of AML management landscape". Singapore, January 31-February 1, 2019.
 - Acute Leukemia XVII (ISALXVII) – Biology and Treatment Strategies: "Molecular Targeted Therapies in AMLSG Portfolio". Munich, February 25, 2019.
 - 7th International Congress on Leukemia Lymphoma Myeloma: "AML Treatment Beyond 3+7". Istanbul, Turkey, May 2-4, 2019.
 - VI Eurasian Hematology Forum: "Molecular genetics guiding treatment of AML". Moscow, Russian Federation, May 17-19, 2019.
 - 28th Congress of the Polish Society of Haematology and Transfusion Medicine: "Molecular Background of AML". Łódź, Poland, September 12-14, 2019
 - QOL-One IV Annual Hematology Conference: "AML beyond '3+7'". Reggio Calabria, September 18-20, 2019
 - Scientific chair, ESH 5th International Conference on AML "Molecular and Translational": Advances in Biology and Treatment. Estoril, Portugal, October 24-26, 2019
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Selected Publications:

2021

- Larson RA, Mandrekar SJ, Huebner LJ, Sanford BL, Laumann K, Geyer S, Bloomfield CD, Thiede C, Prior TW, Döhner K, Marcucci G, Voso MT, Klisovic RB, Galinsky I, Wei AH, Sierra J, Sanz MA, Brandwein JM, de Witte T, Niederwieser D, Appelbaum FR, Medeiros BC, Tallman MS, Krauter J, Schlenk RF, Ganser A, Serve H, Ehninger G, Amadori S, Gathmann I, Döhner H, Stone RM. Midostaurin reduces relapse in FLT3-mutant acute myeloid leukemia: the Alliance CALGB 10603/RATIFY trial. **Leukemia**. 2021 Mar 2. Online ahead of print
- Duy C, Li M, Teater M, Meydan C, Garrett-Bakelman FE, Lee TC, Chin CR, Durmaz C, Kawabata KC, Dhimolea E, Mitsiades CS, Döhner H, D'Andrea RJ, Becker MW, Paietta EM, Mason CE, Carroll M, Melnick AM. Chemotherapy induces senescence-like resilient cells capable of initiating AML recurrence. **Cancer Discov**. 2021 Jan 26:candisc.1375.2020. Online ahead of print
- Schmalbrock LK, Dolnik A, Cocciaardi S, Sträng E, Jahn N, Panina E, Blätte TJ, Herzig J, Skambraks S, Rücker FG, Gaidzik VI, Paschka P, Fiedler W, Salih HR, Wulf G, Schroeder T, Lübbert M, Schlenk RF, Thol F, Heuser M, Larson RA, Ganser A, Stunnenberg HG, Minucci S, Stone RM, Bloomfield CD, Döhner H, Döhner K*, Bullinger L.* Clonal evolution of acute myeloid leukemia with *FLT3*-ITD mutation under

treatment with midostaurin. **Blood**. 2021 Feb 17:blood.2020007626. Online ahead of print. *Equal contribution

Feurstein S, Churpek JE, Walsh T, Keel S, Hakkarainen M, Schroeder T, Germing U, Geyh S, Heuser M, Thol F, Pohlkamp C, Haferlach T, Gao J, Owen C, Goehring G, Schlegelberger B, Verma D, Krause DS, Gao G, Cronin T, Gulsuner S, Lee M, Pritchard CC, Subramanian HP, Del Gaudio D, Li Z, Das S, Kilpivaara O, Wartiovaara-Kautto U, Wang ES, Griffiths EA, Döhner K, Döhner H, King MC, Godley LA. Germline variants drive myelodysplastic syndrome in young adults. **Leukemia**. 2021 Jan 28. Online ahead of print.

DiNardo CD, Stein AS, Stein EM, Fathi AT, Frankfurt O, Schuh AC, Döhner H, Martinelli G, Patel PA, Raffoux E, Tan P, Zeidan AM, de Botton S, Kantarjian HM, Stone RM, Frattini MG, Lesch F, Gong J, Gianolio DA, Zhang V, Franovic A, Fan B, Goldwasser M, Daigle S, Choe S, Wu B, Winkler T, Vyas P. Mutant IDH1 inhibitor ivosidenib in combination with azacitidine is an effective treatment for newly diagnosed acute myeloid leukemia. **J Clin Oncol**. 2021;39(1):57-65.

Stein EM, DiNardo CD, Fathi AT, Mims AS, Pratz KW, Savona MR, Stein AS, Stone RM, Winer ES, Seet CS, Döhner H, Pollyea DA, McCloskey J, Odenike O, Löwenberg B, Ossenkoppele GJ, Patel PA, Roshal M, Frattini MG, Lersch F, Franovic A, Nabhan S, Fan B, Choe S, Wang H, Wu B, Hua L, Almon C, Cooper M, Kantarjian HM, Tallman MS. Ivosidenib or enasidenib combined with intensive chemotherapy in patients with newly diagnosed AML: a phase 1 study. **Blood**. 2021;137(13):1792-1803.

Kuendgen A, Nomdedeu M, Tuechler H, Garcia-Manero G, Komrokji RS, Sekeres MA, Della Porta MG, Cazzola M, DeZern AE, Roboz GJ, Steensma DP, Van de Loosdrecht AA, Schlenk RF, Grau J, Calvo X, Blum S, Pereira A, Valent P, Costa D, Giagounidis A, Xicoy B, Döhner H, Platzbecker U, Pedro C, Lübbert M, Oiarzabal I, Díez-Campelo M, Cedena MT, Machherndl-Spandl S, López-Pavía M, Baldus CD, Martínez-de-Sola M, Stauder R, Merchan B, List A, Ganster C, Schroeder T, Voso MT, Pfeilstöcker M, Sill H, Hildebrandt B, Esteve J, Nomdedeu B, Cobo F, Haas R, Sole F, Germing U, Greenberg PL, Haase D, Sanz G. Therapy-related myelodysplastic syndromes deserve specific diagnostic sub-classification and risk-stratification-an approach to classification of patients with t-MDS. **Leukemia**. 2021;35(3):835-849.

2020

Wei AH, Döhner H, Pocock C, Montesinos P, Afanasyev B, Dombret H, Ravandi F, Sayar H, Jang JH, Porkka K, Selleslag D, Sandhu I, Turgut M, Giai V, Ofra Y, Cakar MK, de Sousa AB, Rybka J, Frairia C, Borin L, Beltrami G, Cermak J, Ossenkoppele GJ, La Torre I, Skikne B, Kumar K, Dong Q, Beach CL, Roboz GJ; QUAZAR AML-001 Trial Investigators. Maintenance therapy with CC-486 for patients with acute myeloid leukemia in first remission after chemotherapy. **N Engl J Med**. 2020;383(26):2526-2537.

Kapp-Schworer S, Weber D, Corbacioglu A, Gaidzik VI, Paschka P, Krönke J, Theis F, Rucker FG, Teleanu MV, Panina E, Jahn N, Herzig JK, Kubanek L, Schrade A, Gohring G, Fiedler W, Kindler T, Schroeder T, Mayer K, Lübbert M, Wattad M, Götze K, Horst HA, Koller E, Wulf GG, Schleicher J, Bentz M, Krauter J, Bullinger L, Krzykalla J, Benner A, Schlenk RF, Thol F, Heuser M, Ganser A, Döhner H, Döhner K. Impact of gemtuzumab ozogamicin on MRD and relapse risk in NPM1 mutated AML patients: results from the AMLSG 09-09 Trial. **Blood**. 2020;136(26):3041-3050.

Jahn N, Terzer T, Sträng E, Dolnik A, Cocciardi S, Panina E, Corbacioglu A, Herzig J, Weber D, Schrade A, Götze K, Schröder T, Lübbert M, Wellnitz D, Koller E, Schlenk RF, Gaidzik VI, Paschka P, Rucker FG, Heuser M, Thol F, Ganser A, Benner A, Döhner H, Bullinger L, Döhner K. Genomic heterogeneity in core-binding factor acute myeloid leukemia and its clinical implication. **Blood Adv**. 2020;4(24):6342-6352.

Voso MT, Larson RA, Jones D, Marcucci G, Prior T, Krauter J, Heuser M, Lavorgna S, Nomdedeu J, Geyer SM, Walker A, Wei AH, Sierra J, Sanz MA, Brandwein JM, de Witte TM, Jansen JH, Niederwieser D, Appelbaum FR, Medeiros BC, Tallman MS, Schlenk RF, Ganser A, Amadori S, Cheng Y, Chen YM, Pallaud C, Du L, Piciocchi A, Ehninger G, Byrd J, Thiede C, Döhner K, Stone RM, Döhner H,* Bloomfield CD,* Lo-Coco F.* Midostaurin in patients with acute myeloid leukemia and FLT3-TKD mutations: a sub-analysis from the RATIFY trial. **Blood Adv**. 2020;4(19):4945-4954. *Equal contribution

DiNardo CD, Jonas BA, Pullarkat V, Thirman MJ, Garcia JS, Wei AH, Konopleva M, Döhner H, Letai AG, Fenaux P, Koller E, Havelange V, Leber B, Esteve J, Wang J, Pejsa V, Hajek R, Porkka K, Egyed M, Lavie D, Lemoli RM, Yamamoto K, Yoon SS, Jang JH, Yeh SP, Turgut M, Hong WJ, Zhou Y, Potluri J, Pratz KW. Venetoclax and azacitidine combination for treatment-naïve patients with AML. **N Engl J Med**. 2020;383(7):617-629.

Condoluci A, Terzi di Bergamo L, Langerbeins P, Hoehstetter MA, Herling CD, De Paoli L, Delgado J, Rabe KG, Gentile M, Doubek M, Mauro FR, Chiodin G, Mattsson M, Bahlo J, Cutrona G, Kotaskova J,

Deambrogi C, Smedby KE, Spina V, Brusca A, Wu W, Moia R, Bianchi E, Gerber B, Zucca E, Gillessen S, Ghielmini M, Cavalli F, Stussi G, Hess MA, Baumann TS, Neri A, Ferrarini M, Rosenquist R, Forconi F, Foà R, Pospisilova S, Morabito F, Stilgenbauer S, Döhner H, Parikh SA, Wierda WG, Montserrat E, Gaidano G, Hallek M, Rossi D. International prognostic score for asymptomatic early-stage chronic lymphocytic leukemia. **Blood**. 2020;135(21):1859-1869.

Bazarbachi A, Bug G, Baron F, Brissot E, Ciceri F, Abou Dalle I, Döhner H, Esteve J, Floisand Y, Giebel S, Gilleece M, Gorin NC, Jabbour E, Aljurf M, Kantarjian H, Kharfan Dabaja M, Labopin M, Lanza F, Malard F, Peric Z, Prebet T, Ravandi F, Ruggeri A, Sanz J, Schmid C, Shouval R, Spyridonidis A, Versluis J, Vey N, Savani BN, Nagler A, Mohty M. Clinical practice recommendation on hematopoietic stem cell transplantation for acute myeloid leukemia patients with FLT3 internal tandem duplication: a position statement from the Acute Leukemia Working Party of the European Society for Blood and Marrow Transplantation. *Haematologica*. 2020;105(6):1507-1516.

Tausch E, Schneider C, Robrecht S, Zhang C, Dolnik A, Bloehdorn J, Bahlo J, Al-Sawaf O, Ritgen M, Fink AM, Eichhorst B, Kreuzer KA, Tandon M, Humphrey K, Jiang Y, Schary W, Bullinger L, Mertens D, Porro Lurà M, Kneba M, Döhner H, Fischer K, Hallek M, Stilgenbauer S. Prognostic and predictive impact of genetic markers in patients with CLL treated with obinutuzumab and venetoclax. **Blood**. 2020;135(26):2402-2412.

Döhner K,* Thiede C,* Jahn N, Panina E, Gambietz A, Larson RA, Prior TW, Marcucci G, Jones D, Krauter J, Heuser M, Voso MT, Ottone T, Nomdedeu JF, Mandrekar S, Klisovic RB, Wei AH, Sierra J, Sanz M, Brandwein JM, de Witte T, Jansen JH, Niederwieser D, Appelbaum FR, Medeiros BC, Tallman MS, Schlenk RF, Ganser A, Serve H, Ehninger G, Amadori S, Gathmann I, Benner A, Pallaud C, Stone RM,* Döhner H,* Bloomfield CD.* Impact of *NPM1/FLT3-ITD* genotypes defined by the 2017 European LeukemiaNet in patients with acute myeloid leukemia. **Blood**. 2020;135(5):371-380. *Equal contribution

Lübbert M, Grishina O, Schmoor C, Schlenk RF, Jost E, Crysandt M, Heuser M, Thol F, Salih HR, Schittenhelm MM, Germing U, Kündgen A, Götze KS, Lindemann HW, Müller-Tidow C, Heil G, Scholl S, Bug G, Schwänen C, Giagounidis A, Neubauer A, Krauter J, Brugger W, De Wit M, Wäsch R, Becker H, May AM, Duyster J, Döhner K, Ganser A, Hackanson B, Döhner H. Decitabine in combination with retinoic acid and valproate in elderly acute myeloid leukemia patients. **J Clin Oncol**. 2020;38(3):257-270

Schlenk RF, Paschka P, Krzykalla J, Weber D, Kapp-Schwoerer S, Gaidzik VI, Leis C, Fiedler W, Kindler T, Schroeder T, Mayer K, Lübbert M, Wattad M, Götze K, Horst HA, Koller E, Wulf G, Schleicher J, Bentz M, Greil R, Hertenstein B, Krauter J, Martens U, Nachbaur D, Samra MA, Girschikofsky M, Basara N, Benner A, Thol F, Heuser M, Ganser A, Döhner K, Döhner H. Gemtuzumab ozogamicin in NPM1-mutated AML: Results from the prospective randomized AMLSG 09-09 phase-III study. **J Clin Oncol**. 2020;38(6):623-632.

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