



Personalized Nanomedicines for Leukemia Patients

Results

Project Information

PNANOMED

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[Project website](#) 

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€ 1 499 750,00

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€ 1 499 750,00

Coordinated by

MEDIZINISCHE HOCHSCHULE
HANNOVER



Germany

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Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#) .

Publications

Peer reviewed articles (18)

[Measurable residual disease monitoring by NGS before allogeneic hematopoietic cell transplantation in AML](#) 

Author(s): Felicitas Thol, Razif Gabdoulline, Alessandro Liebich, Piroska Klement, Johannes Schiller, Christian Kandziora, Lothar Hambach, Michael Stadler, Christian Koenecke, Madita Flintrop, Mira Pankratz, Martin Wichmann, Blerina Neziri, Konstantin Büttner, Bennet Heida, Sabrina Klesse, Anuhar Chaturvedi, Arnold Kloos, Gudrun Göhring, Brigitte Schlegelberger, Verena I. Gaidzik, Lars Bullinger, Walter Fi

Published in: Blood, Issue 132/16, 2018, Page(s) 1703-1713, ISSN 0006-4971

Publisher: American Society of Hematology

DOI: 10.1182/blood-2018-02-829911

[Effective drug treatment identified by in vivo screening in a transplantable patient-derived xenograft model of chronic myelomonocytic leukemia](#) 

Author(s): Arnold Kloos, Konstantinos Mintzas, Lina Winckler, Razif Gabdoulline, Yasmine Alwie, Nidhi Jyotsana, Nadine Kattre, Renate Schottmann, Michaela Scherr, Charu Gupta, Felix F. Adams, Adrian Schwarzer, Dirk Heckl, Axel Schambach, Suzan Imren, R. Keith Humphries, Arnold Ganser, Felicitas Thol, Michael Heuser

Published in: Leukemia, 2020, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/s41375-020-0929-3

[Lipid nanoparticle-mediated siRNA delivery for safe targeting of human CML in vivo](#) 

Author(s): Nidhi Jyotsana, Amit Sharma, Anuhar Chaturvedi, Ramachandramouli Budida, Michaela Scherr, Florian Kuchenbauer, Robert Lindner, Fatih Noyan, Kurt-Wolfram Sühs, Martin Stangel, Denis Grote-Koska, Korbinian Brand, Hans-Peter Vornlocher, Matthias Eder, Felicitas Thol, Arnold Ganser, R. Keith Humphries, Euan Ramsay, Pieter Cullis, Michael Heuser

Published in: Annals of Hematology, Issue 98/8, 2019, Page(s) 1905-1918, ISSN 0939-5555

Publisher: Springer Verlag

DOI: 10.1007/s00277-019-03713-y

[Synergistic activity of IDH1 inhibitor BAY1436032 with azacitidine in IDH1 mutant acute myeloid leukemia](#) 

Author(s): Anuhar Chaturvedi, Charu Gupta, Razif Gabdoulline, Nora M. Borchert, Ramya Goparaju, Stefan Kaulfuss, Kerstin Görlich, Renate Schottmann, Basem Othman, Julia Welzenbach, Olaf Panknin, Markus Wagner, Robert Geffers, Arnold Ganser, Felicitas Thol, Michael Jeffers, Andrea Haegebarth, Michael Heuser

Published in: Haematologica, 2020, Page(s) haematol.2019.236992, ISSN 0390-6078

Publisher: Ferrata Storti Foundation

DOI: 10.3324/haematol.2019.236992

[Targeted Inhibition of the NUP98-NSD1 Fusion Oncogene in Acute Myeloid Leukemia](#) 

Author(s): Sagarajit Mohanty, Nidhi Jyotsana, Amit Sharma, Arnold Kloos, Razif Gabdoulline, Basem Othman, Courteney K. Lai, Renate Schottmann, Madhvi Mandhania, Johannes Schmoellerl, Florian Grebien, Euan Ramsay, Anitha Thomas, Hans-Peter Vornlocher, Arnold Ganser, Felicitas Thol, Michael Heuser

Published in: Cancers, Issue 12/10, 2020, Page(s) 2766, ISSN 2072-6694

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

DOI: 10.3390/cancers12102766

[Combination treatment of an IDH1 inhibitor with chemotherapy in IDH1 mutant acute myeloid leukemia](#) 

Author(s): Charu Gupta, Stefan Kaulfuss, Kerstin Görlich, Basem Othman, Anuhar Chaturvedi, Michael Heuser

Published in: Annals of Hematology, Issue 99/6, 2020, Page(s) 1415-1417, ISSN 0939-5555

Publisher: Springer Verlag

DOI: 10.1007/s00277-020-04001-w

[Risk of tumor lysis syndrome in patients with acute myeloid leukemia treated with venetoclax-containing regimens without dose ramp-up](#)

Author(s): Rabia Shahswar, Gernot Beutel, Razif Gabdoulline, Christian Koenecke, Dominik Markel, Matthias Eder, Michael Stadler, Gudrun Gohring, Brigitte Schlegelberger, Arne Trummer, Juergen Krauter, Felicitas Thol, Michael Heuser

Published in: Annals of Hematology, 2020, ISSN 0939-5555

Publisher: Springer Verlag

DOI: 10.1007/s00277-020-04181-5

[Exploiting differential RNA splicing patterns: a potential new group of therapeutic targets in cancer](#)

Author(s): Nidhi Jyotsana, Michael Heuser

Published in: Expert Opinion on Therapeutic Targets, Issue 22/2, 2017, Page(s) 107-121, ISSN 1472-8222

Publisher: Ashley Publications Ltd.

DOI: 10.1080/14728222.2018.1417390

[Individual outcome prediction for myelodysplastic syndrome \(MDS\) and secondary acute myeloid leukemia from MDS after allogeneic hematopoietic cell transplantation](#)

Author(s): Michael Heuser, Razif Gabdoulline, Patrick Löffeld, Vera Dobbernack, Henriette Kreimeyer, Mira Pankratz, Madita Flintrop, Alessandro Liebich, Sabrina Klesse, Victoria Panagiota, Michael Stadler, Martin Wichmann, Rabia Shahswar, Uwe Platzbecker, Christian Thiede, Thomas Schroeder, Guido Kobbe, Robert Geffers, Brigitte Schlegelberger, Gudrun Göhring, Hans-Heinrich Kreipe, Ulrich Germing, Arnold Ga

Published in: Annals of Hematology, Issue 96/8, 2017, Page(s) 1361-1372, ISSN 0939-5555

Publisher: Springer Verlag

DOI: 10.1007/s00277-017-3027-5

[Therapy-related myeloid neoplasms: does knowing the origin help to guide treatment?](#)

Author(s): M. Heuser

Published in: Hematology, Issue 2016/1, 2016, Page(s) 24-32, ISSN 1520-4391

Publisher: American Society of Hematology

DOI: 10.1182/asheducation-2016.1.24

[Epigenetics in myelodysplastic syndromes](#)

Author(s): Michael Heuser, Haiyang Yun, Felicitas Thol

Published in: Seminars in Cancer Biology, 2017, ISSN 1044-579X

Publisher: Academic Press

DOI: 10.1016/j.semcancer.2017.07.009

[Enantiomer-specific and paracrine leukemogenicity of mutant IDH metabolite 2-hydroxyglutarate](#)

Author(s): A Chaturvedi, M M Araujo Cruz, N Jyotsana, A Sharma, R Goparaju, A Schwarzer, K Görlich, R Schottmann, E A Struys, E E Jansen, C Rohde, C Müller-Tidow, R Geffers, G Göhring, A Ganser, F Thol, M Heuser

Published in: Leukemia, Issue 30/8, 2016, Page(s) 1708-1715, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/leu.2016.71

[Pan-mutant-IDH1 inhibitor BAY1436032 is highly effective against human IDH1 mutant acute myeloid leukemia in vivo](#)

Author(s): A Chaturvedi, L Herbst, S Pusch, L Klett, R Goparaju, D Stichel, S Kaulfuss, O Panknin, K Zimmermann, L Toschi, R Neuhaus, A Haegebarth, H Rehwinkel, H Hess-Stumpp, M Bauser, T Bochtler, E A Struys, A Sharma, A Bakkali, R Geffers, M M Araujo-Cruz, F Thol, R Gabdoulline, A Ganser, A D Ho, A von Deimling, K Rippe, M Heuser, A Krämer

Published in: Leukemia, Issue 31/10, 2017, Page(s) 2020-2028, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/leu.2017.46

[Acute myeloid leukemia derived from lympho-myeloid clonal hematopoiesis](#)

Author(s): F Thol, S Klesse, L Köhler, R Gabdoulline, A Kloos, A Liebich, M Wichmann, A Chaturvedi, J Fabisch, V I Gaidzik, P Paschka, L Bullinger, G Bug, H Serve, G Göhring, B Schlegelberger, M Lübbert, H Kirchner, M Wattad, D Kraemer, B Hertenstein, G Heil, W Fiedler, J Krauter, R F Schlenk, K Döhner, H Döhner, A Ganser, M Heuser

Published in: Leukemia, Issue 31/6, 2017, Page(s) 1286-1295, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/leu.2016.345

[RNA interference efficiently targets human leukemia driven by a fusion oncogene in vivo](#)

Author(s): N Jyotsana, A Sharma, A Chaturvedi, M Scherr, F Kuchenbauer, L Sajti, A Barchanski, R Lindner, F Noyan, K-W Sühs, D Grote-Koska, K Brand, H-P Vornlocher, M Stanulla, B Bornhauser, J-P Bourquin, M Eder, F Thol, A Ganser, R K Humphries, E Ramsay, P Cullis, M Heuser

Published in: Leukemia, Issue 32/1, 2017, Page(s) 224-226, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/leu.2017.269

[Meningioma 1 is indispensable for mixed lineage leukemia-rearranged acute myeloid leukemia](#)

Author(s): Amit Sharma, Nidhi Jyotsana, Razif Gabdoulline, Dirk Heckl, Florian Kuchenbauer, Robert K. Slany, Arnold Ganser, Michael Heuser

Published in: Haematologica, Issue 105/5, 2020, Page(s) 1294-1305, ISSN

0390-6078

Publisher: Ferrata Storti Foundation

DOI: 10.3324/haematol.2018.211201

[In vivo efficacy of mutant IDH1 inhibitor HMS-101 and structural resolution of distinct binding site](#)

Author(s): Anuhar Chaturvedi, Ramya Goparaju, Charu Gupta, Julia Weder, Thomas Klünemann, Michelle Maria Araujo Cruz, Arnold Kloos, Kerstin Goerlich, Renate Schottmann, Basem Othman, Eduard A. Struys, Heike Bähre, Denis Grote-Koska, Korbinian Brand, Arnold Ganser, Matthias Preller, Michael Heuser

Published in: Leukemia, Issue 34/2, 2020, Page(s) 416-426, ISSN 0887-6924

Publisher: Nature Publishing Group

DOI: 10.1038/s41375-019-0582-x

[FLA-IDA salvage chemotherapy combined with a seven-day course of venetoclax \(FLAVIDA\) in patients with relapsed/refractory acute leukaemia](#)

Author(s): Rabia Shahswar, Gernot Beutel, Piroska Klement, Alina Rehberg, Razif Gabdoulline, Christian Koenecke, Dominik Markel, Hendrik Eggers, Matthias Eder, Michael Stadler, Lothar Hambach, Steve Ehrlich, Gudrun Göhring, Brigitte Schlegelberger, Elke Dammann, Marlene Reuter, Martin Wichmann, Blerina Neziri, Arnold Ganser, Felicitas Thol, Michael Heuser

Published in: British Journal of Haematology, Issue 188/3, 2019, ISSN 0007-1048

Publisher: Blackwell Publishing Inc.

DOI: 10.1111/bjh.16268

Intellectual Property Rights

Patent (2)

MEANS AND METHODS FOR TREATING CANCER

Application/Publication number: 14 724722

Date: 2014-05-14

Applicant(s): MEDIZINISCHE HOCHSCHULE HANNOVER

COMBINATION OF IDH1 INHIBITORS AND DNA METHYLATING AGENTS (HMA)

Application/Publication number: 18 742521

Date: 2018-07-25

Applicant(s): MEDIZINISCHE HOCHSCHULE HANNOVER

Other Research Products

Other Research Products via OpenAire (1)



[Impact of PPM1D mutations in patients with myelodysplastic syndrome and deletion of chromosome 5q](#) 

Author(s): Panagiota, Victoria; Meggendorfer, Manja; Kubasch, Anne Sophie; Gabdoulline, Razif; Krönke, Jan; Mies, Anna; Shahswar, Rabia; Kandziora, Christian; Klement, Piroska; Schiller, Johannes; Göhring, Gudrun; Haferlach, Claudia; Ganster, Christina; Shirneshan, Katayoon; Gutermuth, Annika; Thiede, Christian; Germing, Ulrich; Schroeder, Thomas; Kobbe, Guido; Klesse, Sabrina; Koenecke, Christian; Schlegelberger, Brigitte; Kröger, Nicolaus; Haase, Detlef; Döhner, Konstanze; Sperr, Wolfgang R.; Valent, Peter; Ganser, Arnold; Thol, Felicitas; Haferlach, Torsten; Platzbecker, Uwe; Heuser, Michael

Published in: Wiley-Liss

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