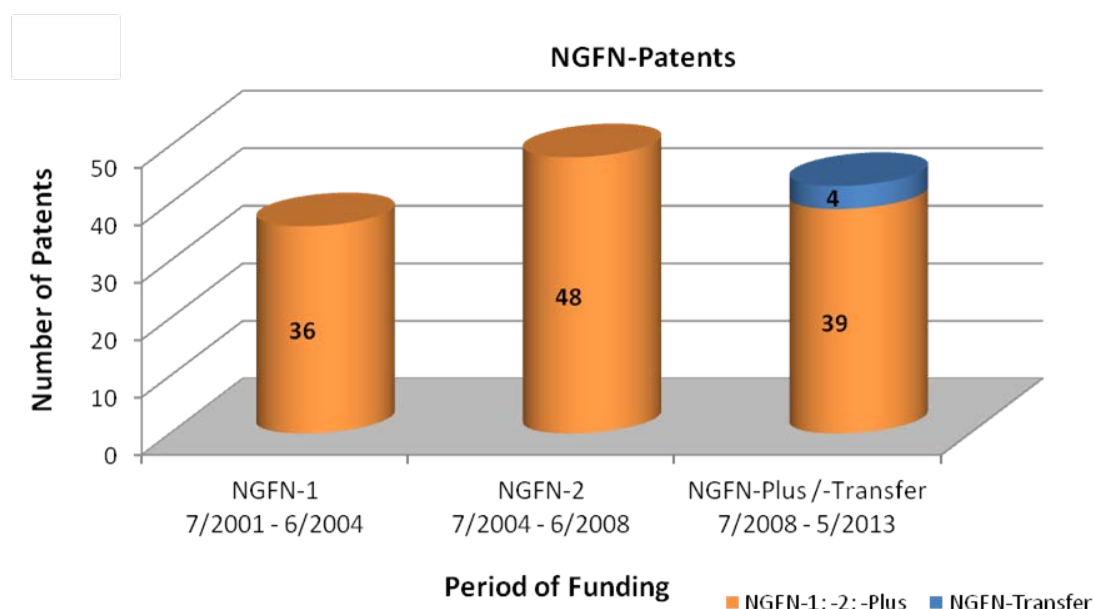


4. Patents NGFN-1, NGFN-2, NGFN-Plus / -Transfer

Taking the fast lane from research to utilization

The application of research results from NGFN-Plus and NGFN-Transfer is an important aim of the Program of Medical Genome Research. A crucial step for the practical application is the filing of patents for protectable inventions and developments. Therefore the number of patents is a measure for the utilization of NGFN research.

The diagram shows the number of patents granted in the respective funding periods of NGFN. For the current reporting period all 43 filed patents were counted.



Patents of NGFN-Plus und NGFN-Transfer 2008 - 2013

Genome Network Obesity

Patent number: EP09014856.0

Title: A method for diagnosing metabolic syndrome, obesity and/or diabetes

Inventor: Schürmann-Bartsch, Scherneck, Vogel, Joost

Applicant: Deutsches Institut für Ernährungsforschung

State: withdrawn; Priority date: 30.11.2009

Patent number: EP12161060.4/ US 61/814,758 (Together with Genome Network DiGtoP)

Title: A novel method of producing an oocyte carrying a modified target sequence in its genome

Inventor: Kühn, Wurst, Meyer

Applicant: Helmholtz Zentrum München

State: Patent application filed and technology in commercial exploitation;

Priority date: 23.03.2012

NGFN Facts and Figures on www.ngfn.de

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Patent number: EP13153142.8

Title: Foam cell specific Liver X Receptor (LXR) alpha agonist, SIRT1 inhibitors as well as p300 inhibitors as pharmaceutically active agents

Inventor: S. Sauer, S. Holzhauser, R. Feldmann, A. Geikowski

Applicant: Max-Planck-Gesellschaft;

Priority date: 29.1.2013

Patent number: EP13165716.5

Title: PPARgamma Modulators

Inventor: S. Sauer, C. Weidner, M. Kliem

Applicant: Max-Planck-Gesellschaft, Priority date: 29.4.2013

Genome Network Heart Failure

Patent number: US61/219,125

Title: Polynucleotides for diagnostic and prognostic of a cardiac disease

Inventor: Gotthardt, Hübner, Graeser, Guo

Applicant: MDC Berlin

State: Patent application filed and technology in commercial exploitation;

Priority date: 22.06.2009

Genome Network Herpes virus infection

Patent number: EP11002480

Title: Micro RNA Inhibiting Nucleic Acid Molecule

Inventor: Lars Dölken, Ulrich Koszinowski, Sebastien Pfeffer

Applicant: Lars Dölken, LMU München

State: Released to the inventor; Priority date: 24.03.2011

Patent number: EP11306102.2

Title: MicroRNAs from human herpesvirus 6

Inventor: Lars Dölken, Sebastien Pfeffer, Lee Tuddenham, Jette Jung

Applicant: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

State: Pending; Priority date: 06.09.2011

Genome Network Pancreatic Cancer

Patent number: EP10001596.5

Title: Means and methods for diagnosing pancreatic cancer

Inventor: Christoph Schröder, Jörg Hoheisel, Tatjana Crnogorac-Jurcevic

Applicant: DKFZ Heidelberg

State: Pending; Priority date: 17.02.2010

Patent number: EP11169588.8

Title: Prediction of recurrence for superficial bladder cancer by protein signature in tissue samples

Inventor: Hoheisel, Radvanyi, Srinivasan, Schröder

Applicant: DKFZ und Institut Curie

State: Pending; Priority date: 10.06.2011

Patent number: US61/536,486

Title: Methods and composition involving miR-135b for distinguishing pancreatic cancer from benign pancreatic disease

Inventor: Alex Adai, Anna Szafranska-Schwarzbach, Bernard Andruss, Stephan Albrecht Hahn

Applicant: Universität Bochum, ASURAGEN

State: Released; Priority date: 19.09.2011

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NGFN Facts and Figures on www.ngfn.de

Patent number: DE102011108254.2; DE102012005153.0
Title: Pantumormarker II (snRNA RNU2-1 as a tumor marker)
Inventor: A. Baraniskin, S. Hahn, W. Schmiegel
Applicant: Universität Bochum
State: Patent application filed and technology in commercial exploitation;
Priority date: 16.03.2012

Genome Network Brain Tumor

Patent number: EP09006620.0
Title: Diagnostic methods for the prognosis of a brain tumor
Inventor: von Deimling, Hartmann, Zentgraf, Reifenberger, Capper, Weller, Wick
Applicant: DKFZ, Ruprecht-Karls-Universität Heidelberg
State: Pending; Priority date: 15.05.2009

Patent number: US61/334,812
Title: Methods for the diagnosis and prognosis of a tumor using BCAT1 protein
Inventor: Radlwimmer, Barbus, Tönjes, Tödt, Lichter, Reifenberger
Applicant: DKFZ Heidelberg
State: Pending; Priority date: 14.05.2010

Patent number: EP11000720.0
Title: Inhibitors of branched-chain-aminotransferase-1 (BCAT1) for the treatment of neoplasia
Inventor: Bernhard Radlwimmer, Sebastian Barbus, Martje Tönjes, Peter Lichter
Applicant: DKFZ
State: Pending; Priority date: 28.01.2011

Patent number: US61/388,158; US61/503,950
Title: Means and methods for diagnosing cancer using an antibody which specifically binds to BRAF V600E
Inventor: von Deimling, Capper
Applicant: DKFZ, Ruprecht-Karls-Universität Heidelberg
State: Patent application filed and technology in commercial exploitation;
Priority date: 30.09.2010; 01.07.2011

Genome Network Leukemia

Patent number: EP10004898.2
Title: Risk prognosis method for chronic lymphocytic leukemia
Inventor: Herold, Jurinovic, Buske, Bohlander
Applicant: Ludwig-Maximilians-Universität München
State: Pending; Priority date: 07.05.2010

Genome Network Mutanom

Patent number: EP09158709.7
Title: Use of MLKL in cancer therapy
Inventor: Mollenhauer, Hudler, Blaich, Wittig
Applicant: DKFZ
State: Pending; Priority date: 24.04.2009

Genome Network Neuroblastoma

Patent number: DE102010024300.0 / DE102010024512.7

Title: Neue Ansätze für die Tumorthherapie-Histondemethylasen

Inventor: PD Dr. Alexander Schramm, Dr. Johannes Schulte, Prof. Dr. Angelika Eggert

Applicant: Universität Duisburg-Essen

State: Released by ProVendis; Priority date: 21.06.2010

Genome Network Cancer Genes

Patent number: EP09005492.5; US61/170,375

Title: Development of fluorescently P-loop labeled kinases for screening of inhibitors

Inventor: Rauh, Daniel; Simard, Jeffrey

Applicant: Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V., Hofgartenstr. 8, 80539 München

State: Pending; Priority date: 17.04.2009

Patent number: EP08013340.8; US61/083,335; EP08020331.7; EP09005493.3

Title: Fluorescently or spin-labeled kinases for rapid screening and identification of novel kinase inhibitor scaffolds

Inventor: Rauh, Daniel; Simard, Jeffrey; Getlik, Matthäus;

Applicant: Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V., Hofgartenstr. 8 80539 München; State: Pending; Priority date: 17.04.2009

Patent number: EP09177117.0

Title: Pyrosequencing method for predicting the response of a patient towards anti cancer treatment, European Patent application

Inventor: Altmüller, Nürnberg, Querings

Applicant: Universität zu Köln

State: Pending; Priority date: 25.11.2009

Patent number: EP11164480.3

Title: Blood-based gene detection of non-small cell lung cancer

Inventor: Hofmann, Schultze, Staratschek-Jox, Wolf, Zander

Applicant: Rheinische Friedrich-Wilhelms-Universität Bonn, Universität zu Köln

State: Pending; Priority date: 02.05.2011

Patent number: US 61/529,476; EP11007082.8

Title: Labeled phosphatases for the screening of inhibitors

Inventor: Rauh, Daniel; Simard, Jeffrey; Waldmann, Herbert

Applicant: Max-Planck-Gesellschaft

Priority date: 31.08.2011

Patent number: EP12153907.6

Title: Novel fusion genes in lung cancer

Inventor: Thomas, Roman; Heuckmann, Johannes; Fischer, Florian; Fernandez-Cuesta, Lynnette

Applicant: Max-Planck-Gesellschaft

State: Patent application filed and technology in commercial exploitation;

Priority date: 03.02.2012

Genome Network Prostate Cancer

Patent number: DE202009008601.1 (**Together with Genome Network Cellular Systems Genomics**)

Title: Inkubationsschale für Hochdurchsatzverfahren bei Protein-Array-Inkubationen
(Gebrauchsmuster)

Inventor: Mannsperger, Schmidt, Korf, Fink, Kameke

Applicant: DKFZ; Metecon GmbH

State: Published; Priority date: 19.06.2009

NGFN Facts and Figures on www.ngfn.de

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Patent number: EP09174455.7

Title: Circulating miRNAs as non-invasive markers for diagnosis and staging in prostate cancer

Inventor: Jan C. Brase, Marc Johannes, Thorsten Schlomm, Maria Fälth, Alexander Haese, Thomas Steuber, Tim Beissbarth, Ruprecht Kuner, Holger Sültmann

Applicant: DKFZ und Uni Göttingen und Uniklinikum HH-Eppendorf

State: Pending; Priority date: 29.10.2009

Patent number: EP 11162979.6

Title: Epigenetische Marker zur Prostata-Tumor-Diagnostik (Prostate cancer markers)

Inventor: R. Schweiger, H. Lehrach, S. Börno, H. Sültmann, T. Schlomm, G. Sauter

Applicant: Max-Planck-Gesellschaft und DKFZ

State: Submitted; Priority date: 19.04.2011

Genome Network Colon Cancer

Patent number: EP12180459.5

Title: : Biomarkers for colon cancer

Inventor: Schweiger, Michal-Ruth; Grimm, Christina; Herwig, Ralf; Lehrach, Hans

Applicant: Max-Planck-Gesellschaft

Priority date: 14.08.2012

Genome Network Neurodegeneration

Patent number: EP11161325.3

Title: Phenoxazinones or phenothiazones as inhibitors of amyloid formation

Inventor: Wanker, Herbst, Bieschke, Wagner, Wiglenda, Schmidt, Böddrich

Applicant: MDC Berlin

State: Pending; Priority date: 06.04.2011

Genome Network Cellular Systems Genomics

Patent number: DE202009008601.1 (**Together with Genome Network Prostate Cancer**)

Title: Inkubationsschale für Hochdurchsatzverfahren bei Protein-Array-Inkubationen (Gebrauchsmuster)

Inventor: Mannsperger, Schmidt, Korf, Fink, Kameke

Applicant: DKFZ; Metecon GmbH

State: Published; Priority date: 19.06.2009

Patent number: EP12154916.6

Title: Biomarker set for identifying a severe form of cancer

Inventor: Korf, Ulrike; Wiemann, Stefan; Bender, Christian; Sonntag, Johanna

Applicant: DKFZ; Priority date: 10.02.2012

Genome Network DiGtoP

Patent number: EP09014709.1, EP09014889.1, US61/264,514, US 61/265,296

Title: Conditional expression of transgenes in vivo

Inventor: Laura Schebelle (HMGU), Frank Schnütgen (Uni Frankfurt), Thomas Floss (HMGU)

Applicant: Helmholtz Zentrum München, Uni Frankfurt

State: Pending; Priority date: 25.11.2009; 30.11.2009; 01.12.2009

Patent number: US61/255,621

Title: Homologous recombination in the oocyte

Inventor: Ralf Kühn, Melanie Meyer, Wolfgang Wurst

Applicant: Ralf Kühn, Melanie Meyer, Wolfgang Wurst; Helmholtz Zentrum München

State: Pending; Priority date: 28.10.2009

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Patent number: EP10005863.5/ US61/352,103

Title: Fusion proteins comprising a DNA-binding domain of a Tal effector protein and a nonspecific cleavage domain of a restriction nuclease and their use

Inventor: Kühn, Wurst, Meyer

Applicant: Helmholtz Zentrum München

State: Pending; Priority date: 07.06.2010

Patent number: EP11004637.2

Title: Improved Recombination Efficiency by Inhibition of NHEJ DNA Repair

Inventor: Kühn, Wurst

Applicant: Helmholtz Zentrum München

State: Pending, Priority date: 07.06.2011

Patent number: EP11004635.6

Title: Protein having nuclease activity, fusion proteins and uses thereof

Inventor: Kühn

Applicant: Helmholtz Zentrum München

State: Pending, Priority date: 07.06.2011

Patent number: EP10009584.3; 13/823,431 / 10 009 584.3

Title: HOT1 and uses thereof

Inventor: Dr. Dennis Kappei, Prof. Dr. Frank Buchholz, Prof. Dr. Matthias Mann, Dr. Falk Butter

Applicant: Max-Planck-Innovation GmbH

State: Pending; Priority date: 14.09.2010

Patent number: EP12161060.4/ US 61/814,758 (**Together with Genome Network Obesity**)

Title: A novel method of producing an oocyte carrying a modified target sequence in its genome

Inventor: Kühn, Wurst, Meyer

Applicant: Helmholtz Zentrum München

State: Patent application filed and technology in commercial exploitation;

Priority date: 23.03.2012

Patent number: EP131507063.2

Title: Gene editing in the oocyte by Crispr-Cas9 nucleases

Inventor: Kühn, Wurst, Ortiz

Applicant: Helmholtz Zentrum München

State: Pending; Priority date: 15.02.2013

Genome Network Environment-related Diseases

Patent number: PCT/EP2008/008491

Title: Method for identifying an increased susceptibility to ulcerative colitis

Inventor: Schreiber, Franke

Applicant: Universität Kiel

State: Pending, Priority date: 08.10.2008

Patent number: US61/113,342; EP09006623.4-2403

Title: X-chromosomal variation as a diagnostic and therapeutic marker for the progression to AIDS

Inventor: Siddiqui, Roman; Saueremann, Ulrike; Altmüller, Janine; Nürnberg, Peter; Fritzer, Elfriede; Nothnagel, Michael; Krawczak, Michael; Platzer, Mathias

Applicant: Deutsches Primatenzentrum GmbH; Leibniz-Institut für Altersforschung Fritzelipmann-Institut e.V.; Universität zu Köln; Christian-Albrechts-Universität zu Kiel

State: Pending; Priority date: 11.11.2008, 15.05.2009

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Innovation Alliance Anti-malarial Agents

Patent number: US61/110,217

Title: Use of inhibitors of host kinases for the treatment of infectious diseases

Inventor: Hannus, Martin, Mota, Prudencio, Rodrigues

Applicant: Cenix BioScience GmbH, Instituto de Medicina Molecular, Faculdade de Medicina da Universidade de Lisboa

State: Pending; Priority date: 31.10.2008

Innovation Alliance Metabolomic Signatures of Heart Failure

Patent number: US61/299,360; EP10000915.8

Title: Means and methods for diagnosing heart failure in a subject

Inventor: Fuhrmann, Reszka, Kastler, Busch, Leibold, Katus, Frey, Weis, Wolf

Applicant: Metanomics GmbH und Universität Heidelberg

State: Pending; Priority date: 29.01.2010

Innovation Alliance New Tools CVD

Patent number: EP09171773.6

Title: Vasoactive peptide and derivatives thereof

Inventor: Prof. Dr. J. Jankowski, Dr. V. Jankowski, Prof. Dr. W. Zidek, Dr. A. Kretschmer, Prof. Dr. R. Santos, Prof. Dr. M. van der Giet

Applicant: Bayer Schering Pharma AG, Charité Universitätsmedizin Berlin

State: Pending; Priority date: 30.09.2009

Innovation Alliance WTA Amplification Methods for Biobanks

Patent number: DE102009024143.4

Title: Amplifikation komplexer Nukleinsäuren

Inventor: Korfhage, Fisch

Applicant: Qiagen GmbH

State: Pending; Priority date: 04.06.2009

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