

Resource Summary Report

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Division of Molecular Genome Analysis

RRID:SCR_013163

Type: Tool

Proper Citation

Division of Molecular Genome Analysis (RRID:SCR_013163)

Resource Information

URL: <http://www.dkfz.de/en/mga/>

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Description: Cancer and many other human diseases arise from gene defects, which are either inherited or occur - as in most cancers spontaneously in somatic cells. These defects cause aberrant activities of gene products and malfunctioning of molecular and cellular interactions, thereby inducing tumors and accompanying cancer progression. The central objective of our division is to understand the complex molecular processes of human health and disease. In particular, we are working on tools for improving diagnosis of malfunctioning and prognosis for patients as well as the identification and validation of novel targets for therapies. Main interest of the division is on cellular signaling networks and their roles in cancer drug resistance and metastasis. To this end, we apply high-throughput functional genomics and proteomics technologies, and analyze candidate genes using in vitro and in vivo systems. The division organizes the conference Systems Genomics 2010 (September 29 - October 1, 2010 at the DKFZ Heidelberg) and aims at advancing the integration of high-throughput genomics, quantitative proteomics, computational biology, and clinics. Internationally outstanding speakers will discuss their latest results in molecular and translational disease research Sponsor. This work was supported in part by the National Genome Research Network (Contract No. 01GS0864) of the Federal Ministry of Education and Research (BMBF) and by Wilhelm-Sander Stiftung (Contract No. 2009.051.1). JDZ is supported by the DKFZ International PhD Program. We thank Moritz Kblbeck, Christian Schmidt and Ute Ernst for their excellent technical assistance.

Synonyms: Molecular Genome

Resource Type: software resource

Resource Name: Division of Molecular Genome Analysis

Resource ID: SCR_013163

Alternate IDs: nif-0000-30459

Old URLs: <http://www.dkfz.de/mga/groups.asp?siteID=160>

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Ratings and Alerts

No rating or validation information has been found for Division of Molecular Genome Analysis.

No alerts have been found for Division of Molecular Genome Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.