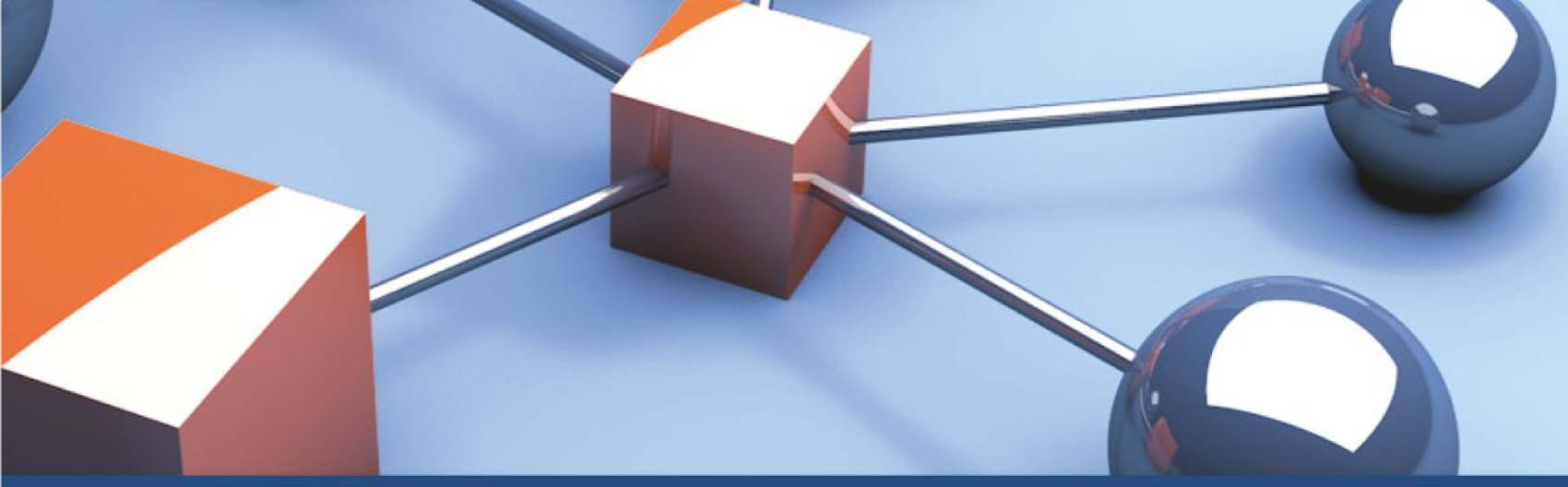

BBMRI.nl
Biobanking and BioMolecular resources Research Infrastructure The Netherlands

Towards a personalized genomics workbench using MOLGENIS

K. Joeri van der Velde[1,2], Bart Charbon[1], Dennis Hendriksen[1], Mark de Haan[1], Cisca Wijmenga[2], Richard J. Sinke[2], Tom J. de Koning[2], Rolf H. Sijmons[2], BioMedBridges, BBMRI-NL, VKGL data sharing group & MOLGENIS team[1,2], Imre Vastrik[3], and Morris A. Swertz[1,2]

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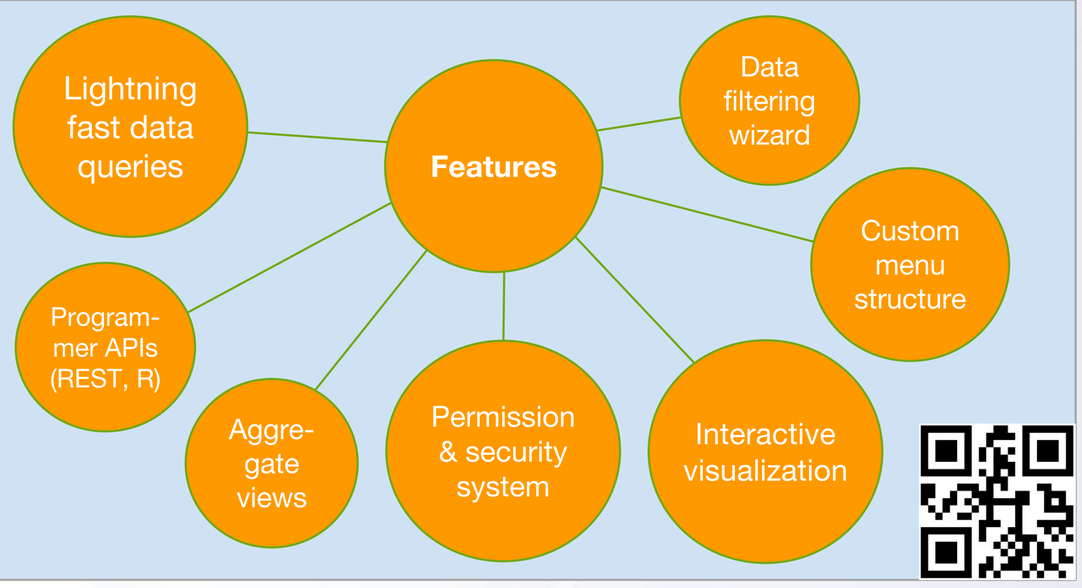
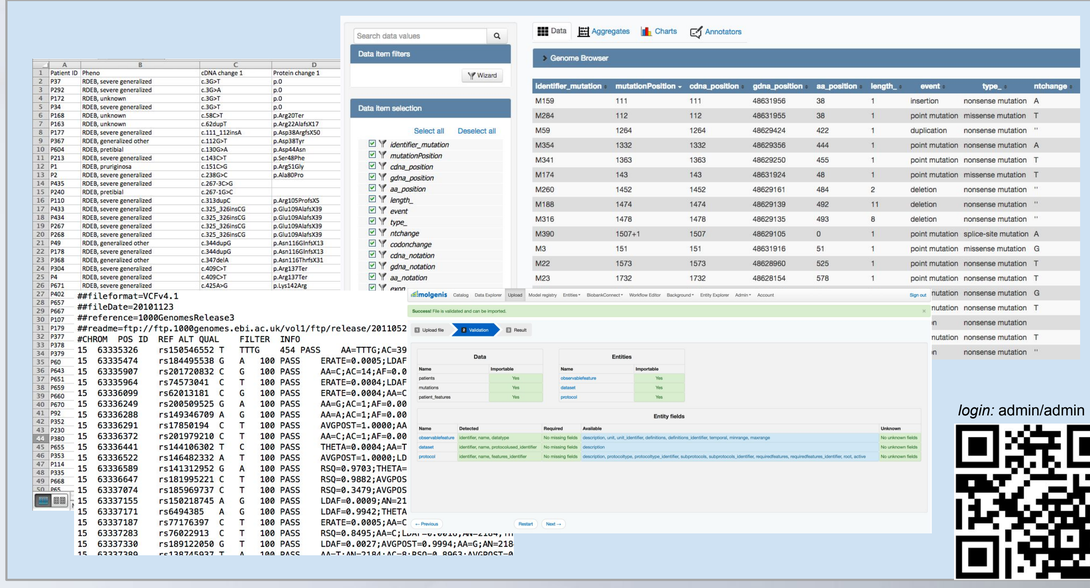
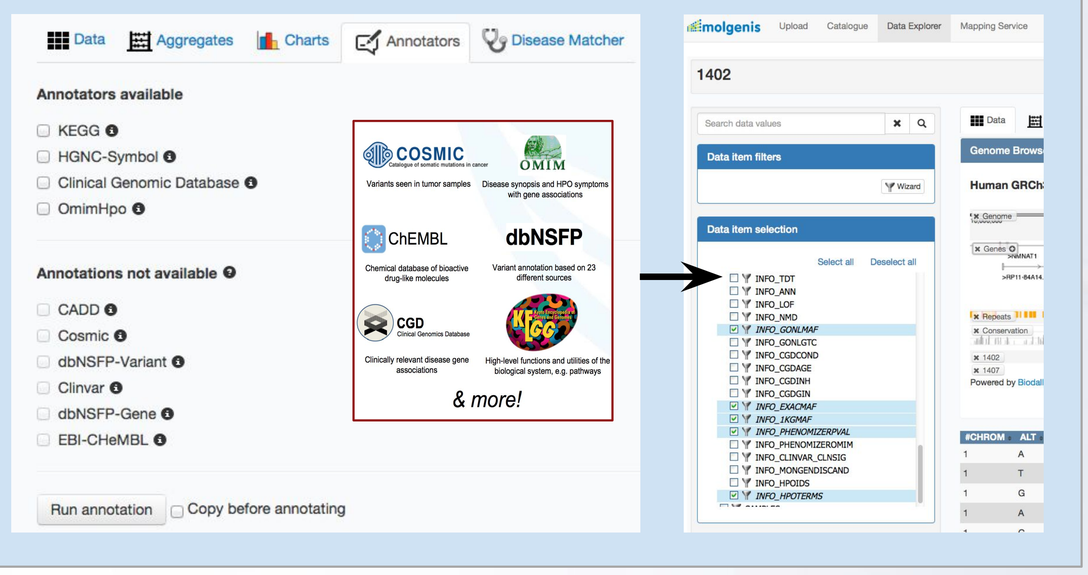
For multi-omics and personalized medicine with BBMRI-NL, VKGL, BioShare, RD-Connect, LifeLines, BioMedBridges, CTMM/TraIT, *et al.*



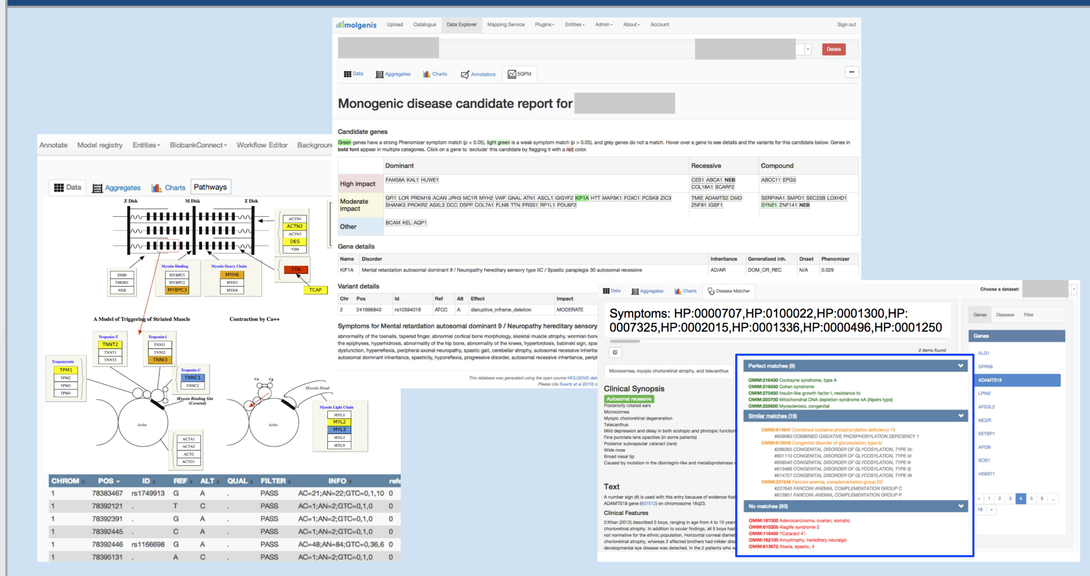
Use simple Excel/CSV/VCF files to upload your molecular, phenotypical, and environmental data with a step-by-step wizard



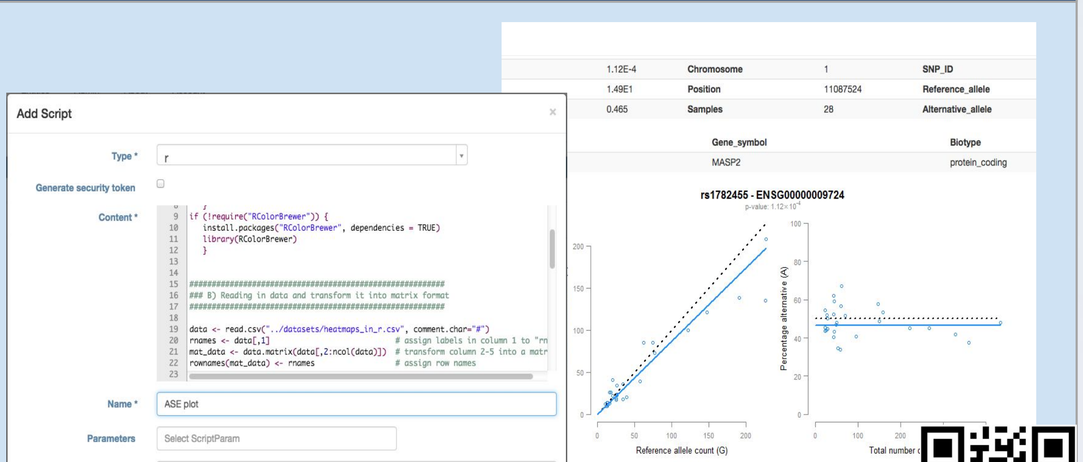
Enrich your data with information from public molecular, genetic, clinical and pathogenicity knowledge bases using 'annotators'



Plug-ins for detailed research and clinic use: WikiPathways, candidate gene reporting, patient symptom-to-disease matching, *etc*.

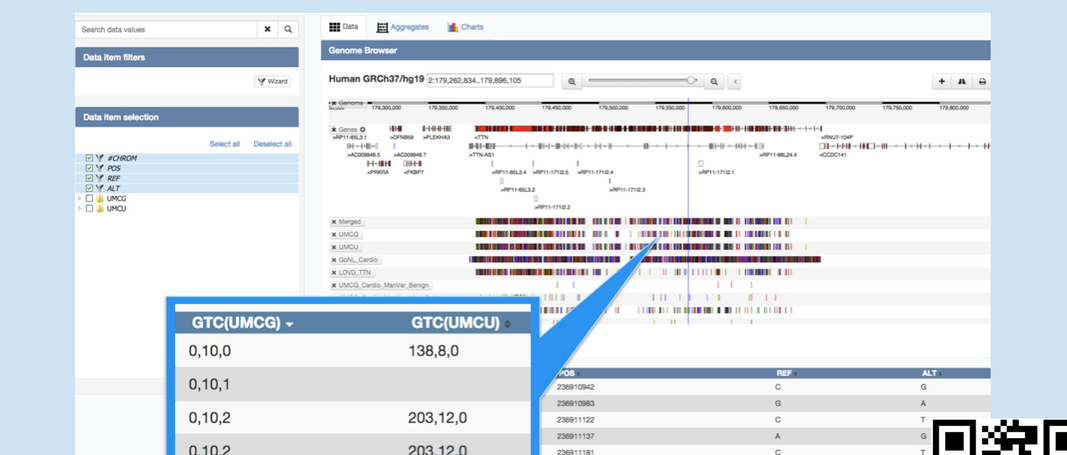


Add your statistics: create and use 'on the spot' R analyses with built-in R framework and R-API (example: A.S.E. @ www.molgenis.org/ase)



Query all shared variant data from e.g. VKGL* diagnostic labs in one genome browser

* Richard Sinke (UMCG), Rien Blok (MUMC), Dennis Dooijes (UMCU), Martin Elfrink (UMCU), Marielle van Gijn (UMCU), Jan Jongbloed (UMCG), Ronald Lekanne (AMC), Renee Niessen (UMCG), Rolf Pfundt (RUMC), Claudia Ruivenkamp (LUMC), Jasper Saris (EMC), Rolf Sijmons (UMCG, VKGN), Maartje Vogel (NKI-AVL), Morris Swertz (UMCG), Bart Charbon (UMCG), Christian Gilissen (RUMC), Bart de Koning (MUMC), Jeroen Laros (LUMC), Thiery Loones (Cartagenia), Pieter Neerincx (UMCG), Bram Miedema (UMCG), Ies Nijman (UMCU), Jonathan Taminau (Cartagenia), Peter Taschner (LUMC), Quinten Waisfisz (VUMC), Steven van Vooren (Cartagenia)



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Project website: https://github.com/molgenis