Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Mariano Rocchi**
Address(es)	36, Citta' Giardino, 70016 Noicattaro, Italy
Telephone(s)	+39-080-5443371 Mobile:
Fax(es)	+39-080-5443386
E-mail	rocchi@biologia.uniba.it
Nationality	Italian
Date of birth	January 30, 1947
Gender	Male

Work experience

Date	2011-
Occupation or position held	Director of the Dept. of Biology, University of Bari
Name and address of employer	University of Bari, Italy
Dates	2005-2010
Occupation or position held	Director of the Dept. of Genetics abd Microbiology
Name and address of employer	University of Bari, Italy
Dates	1990-2011
Occupation or position held	Full Professor of Genetics
Name and address of employer	University of Bari, Italy
Dates	1988-1989
Occupation or position held	Visiting Scientist
Name and address of employer	Wayne State University, Detroit, US
Dates	1984-1988
Occupation or position held	Biologist
Name and address of employer	Istituto Gaslini, Genoa, Italy
Dates	1976-1984
Occupation or position held	Biologist
Name and address of employer	Istituto Burlo Garofalo, Trieste, Italy

Education and training

Dates	1970-1975
Title of qualification awarded	Dr. in Biology, University of Rome

Personal skills and competences	Molecular Cytogenetics used to study karyotype evolution in primates.
Mother tongue(s)	**Italian**
Other language(s)	**English**

Invited speaker in USA, France, Sweden, Australia, India, China, Spain, UK, Germany, Ireland,

Publications: Author in about 340 papers.

Selection of the most relevant ones (2000-2013; I.F. >5.00)

Capozzi O, Carbone L, Stanyon RR, Marra A, Yang F, Whelan CW, de Jong PJ, Rocchi M, Archidiacono N: A comprehensive molecular cytogenetic analysis of chromosome rearrangements in gibbons. **Genome Res** 22:2520-8 (2012) I.F. 13.608

Uboldi S, Bernasconi S, Romano M, Marchini S, Fuso Nerini I, Damia G, Ganzinelli M, Marangon E, Sala F, Clivio L, Chiorino G, Digiandomenico S, Rocchi M, Capozzi O, Margison G, Watson A, Caccuri A, Pastore A, Fossati A, Mantovani R, Grosso F, Tercero J, Erba E, D'Incalci M: Characterization of a new trabectedin resistant myxoid liposarcoma cell line that shows collateral sensitivity to methylating agents. **Int J Cancer** 131:59-69 (2012) I.F. 5.444

Gazave E, Darre F, Morcillo-Suarez C, Petit-Marty N, Carreno A, Marigorta UM, Ryder OA, Blancher A, Rocchi M, Bosch E, Baker C, Marques-Bonet T, Eichler EE, Navarro A: Copy number variation analysis in the great apes reveals species-specific patterns of structural variation. **Genome Res** 21:1626-39 (2011) I.F. 13.608

Locke DP, Hillier LW, Warren WC, Worley KC, Nazareth LV, Muzny DM, Yang SP, Wang Z, Chinwalla AT, Minx P, Mitreva M, Cook L, Delehaunty KD, Fronick C, Schmidt H, Fulton LA, Fulton RS, Nelson JO, Magrini V, Pohl C, Graves TA, Markovic C, Cree A, Dinh HH, Hume J, Kovar CL, Fowler GR, Lunter G, Meader S, Heger A, Ponting CP, Marques-Bonet T, Alkan C, Chen L, Cheng Z, Kidd JM, Eichler EE, White S, Searle S, Vilella AJ, Chen Y, Flicek P, Ma J, Raney B, Suh B, Burhans R, Herrero J, Haussler D, Faria R, Fernando O, Darre F, Farre D, Gazave E, Oliva M, Navarro A, Roberto R, Capozzi O, Archidiacono N, Valle GD, Purgato S, Rocchi M, Konkel MK, Walker JA, Ullmer B, Batzer MA, Smit AF, Hubley R, Casola C, Schrider DR, Hahn MW, Quesada V, Puente XS, Ordonez GR, Lopez-Otin C, Vinar T, Brejova B, Ratan A, Harris RS, Miller W, Kosiol C, Lawson HA, Taliwal V, Martins AL, Siepel A, Roychoudhury A, Ma X, Degenhardt J, Bustamante CD, Gutenkunst RN, Mailund T, Dutheil JY, Hobolth A, Schierup MH, Ryder OA, Yoshinaga Y, de Jong PJ, Weinstock GM, Rogers J, Mardis ER, Gibbs RA, Wilson RK: Comparative and demographic analysis of orang-utan genomes. **Nature** 469:529-533 (2011) I.F. 36.280

Albano F, Anelli L, Zagaria A, Coccaro N, D'Addabbo P, Liso V, Rocchi M, Specchia G: Genomic segmental duplications on the basis of the t(9;22) rearrangement in chronic myeloid leukemia. **Oncogene** 29:2509-2516 (2010) I.F. 7.135

Guastadisegni MC, Lonoce A, Impera L, Di Terlizzi F, Fugazza G, Aliano S, Grasso R, Cluzeau T, Raynaud S, Rocchi M, Storlazzi CT: CBFA2T2 and C20orf112: two novel fusion partners of RUNX1 in acute myeloid leukemia. **Leukemia** 24:1516-9 (2010) I.F. 9.561

Storlazzi CT, Lonoce A, Guastadisegni MC, Trombetta D, D'Addabbo P, Daniele G, L'Abbate A, Macchia G, Surace C, Kok K, Ullmann R, Purgato S, Palumbo O, Carella M, Ambros PF, Rocchi M: Gene amplification as double minutes or homogeneously staining regions in solid tumors: Origin and structure. **Genome Res** 20:1198-1206 (2010) I.F. 13.608

Albano F, Anelli L, Zagaria A, Pannunzio A, Liso V, Rocchi M, Specchia G: Downregulated expression of genes mapping on chromosome 9 in chronic myeloid leukemia cases bearing genomic deletions on der(9). **Leukemia** 23:813-816 (2009) I.F. 9.561

Capozzi O, Purgato S, D'Addabbo P, Archidiacono N, Battaglia P, Baroncini A, Capucci A, Stanyon R, Della Valle G, Rocchi M: Evolutionary descent of a human chromosome 6 neocentromere: a jump back to 17 million years ago. **Genome Res** 19:778-784 (2009) I.F. 13.608

Cellamare A, Catacchio CR, Alkan C, Giannuzzi G, Antonacci F, Cardone MF, Della Valle G, Malig M, Rocchi M, Eichler EE, Ventura M: New insights into centromere organization and evolution from the white-cheeked gibbon and marmoset. **Mol Biol Evol** 26:1889-1900 (2009) I.F. 5.550

Girirajan S, Chen L, Graves T, Marques-Bonet T, Ventura M, Fronick C, Fulton L, Rocchi M, Fulton RS, Wilson RK, Mardis ER, Eichler EE: Sequencing human-gibbon breakpoints of synteny reveals mosaic new insertions at rearrangement sites. **Genome Res** 19:178-190 (2009) I.F. 13.608

Klajn A, Ferrai C, Stucchi L, Prada I, Podini P, Baba T, Rocchi M, Meldolesi J, D'Alessandro R: The rest repression of the neurosecretory phenotype is negatively modulated by BHC80, a protein of the BRAF/HDAC complex. **J Neurosci** 29:6296-6307 (2009) I.F. 7.115

Wade CM, Giulotto E, Sigurdsson S, Zoli M, Gnerre S, Imsland F, Lear TL, Adelson DL, Bailey E, Bellone RR, Blocker H, Distl O, Edgar RC, Garber M, Leeb T, Mauceli E, MacLeod JN, Penedo MC, Raison JM, Sharpe T, Vogel J, Andersson L, Antczak DF, Biagi T, Binns MM, Chowdhary BP, Coleman SJ, Della Valle G, Fryc S, Guerin G, Hasegawa T, Hill EW, Jurka J, Kiialainen A, Lindgren G, Liu J, Magnani E, Mickelson JR, Murray J, Nergadze SG, Onofrio R, Pedroni S, Piras MF, Raudsepp T, Rocchi M, Roed KH, Ryder OA, Searle S, Skow L, Swinburne JE, Syvanen AC, Tozaki T, Valberg SJ, Vaudin M, White JR, Zody MC, Lander ES, Lindblad-Toh K: Genome sequence, comparative analysis, and population genetics of the domestic horse. **Science** 326:865-867 (2009) I.F. 31.201

Albano F, Pannunzio A, Anelli L, Zagaria A, Liso V, Rocchi M, Specchia G: Genomic and molecular switching in relapsed acute promyelocytic leukemia. **Leukemia** 22:1469-1472 (2008) I.F. 9.561

Cardone MF, Jiang Z, D'Addabbo P, Archidiacono N, Rocchi M, Eichler EE, Ventura M: Hominoid chromosomal rearrangements on 17q map to complex regions of segmental duplication. **Genome Biol** 9:R28 (2008) I.F. 9.036

Impera L, Albano F, Lo Cunsolo C, Funes S, Iuzzolino P, Laveder F, Panagopoulos I, Rocchi M, Storlazzi CT: A novel fusion 5'AFF3/3'BCL2 originated from a t(2;18)(q11.2;q21.33) translocation in follicular lymphoma. **Oncogene** 27:6187-6190 (2008) I.F. 6.373

Lomiento M, Jiang Z, D'Addabbo P, Eichler EE, Rocchi M: Evolutionary-new centromeres preferentially emerge within gene deserts. **Genome Biol** 9:R173 (2008) I.F. 9.036

Misceo D, Capozzi O, Roberto R, Dell'Oglio MP, Rocchi M, Stanyon R, Archidiacono N: Tracking the complex flow of chromosome rearrangements from the Hominoidea ancestor to extant Hylobates and Nomascus gibbons by high-resolution synteny mapping. **Genome Res** 18:1530-1537 (2008) I.F. 13.608

Alkan C, Ventura M, Archidiacono N, Rocchi M, Sahinalp SC, Eichler EE: Organization and evolution of primate centromeric DNA from whole-genome shotgun sequence data. **PLoS Comput Biol** 3:1807-1818 (2007) I.F. 5.215

Bosch N, Caceres M, Cardone MF, Carreras A, Ballana E, Rocchi M, Armengol L, Estivill X: Characterization and evolution of the novel gene family FAM90A in primates originated by multiple duplication and rearrangement events. **Hum Mol Genet** 16:2572-82 (2007) I.F. 7.636

De Gregori M, Ciccone R, Magini P, Pramparo T, Gimelli S, Messa J, Novara F, Vetro A, Rossi E, Maraschio P, Bonaglia MC, Anichini C, Ferrero GB, Silengo M, Fazzi E, Zatterale A, Fischetto R, Previdere C, Belli S, Turci A, Calabrese G, Bernardi F, Meneghelli E, Riegel M, Rocchi M, Guerneri S, Lalatta F, Zelante L, Romano C, Fichera M, Mattina T, Arrigo G, Zollino M, Giglio S, Lonardo F, Bonfante A, Ferlini A, Cifuentes F, Van Esch H, Backx L, Schinzel A, Vermeesch JR, Zuffardi O: Cryptic deletions are a common finding in "balanced" reciprocal and complex chromosome rearrangements: a study of 59 cases. **J Med Genet** (2007) I.F. 6.365

Gibbs RA, Rogers J, Katze MG, Bumgarner R, Weinstock GM, Mardis ER, Remington KA, Strausberg RL, Venter JC, Wilson RK, Batzer MA, Bustamante CD, Eichler EE, Hahn MW, Hardison RC, Makova KD, Miller W, Milosavljevic A, Palermo RE, Siepel A, Sikela JM, Attaway T, Bell S, Bernard KE, Buhay CJ, Chandrabose MN, Dao M, Davis C, Delehaunty KD, Ding Y, Dinh HH, Dugan-Rocha S, Fulton LA, Gabisi RA, Garner TT, Godfrey J, Hawes AC, Hernandez J, Hines S, Holder M, Hume J, Jhangiani SN, Joshi V, Khan ZM, Kirkness EF, Cree A, Fowler RG, Lee S, Lewis LR, Li Z, Liu YS, Moore SM, Muzny D, Nazareth LV, Ngo DN, Okwuonu GO, Pai G, Parker D, Paul HA, Pfannkoch C, Pohl CS, Rogers YH, Ruiz SJ, Sabo A, Santibanez J, Schneider BW, Smith SM, Sodergren E, Svatek AF, Utterback TR, Vattathil S, Warren W, White CS, Chinwalla AT, Feng Y, Halpern AL, Hillier LW, Huang X, Minx P, Nelson JO, Pepin KH, Qin X, Sutton GG, Venter E, Walenz BP, Wallis JW, Worley KC, Yang SP, Jones SM, Marra MA, Rocchi M, Schein JE, Baertsch R, Clarke L, Csuros M, Glasscock J, Harris RA, Havlak P, Jackson AR, Jiang H, Liu Y, Messina DN, Shen Y, Song HX, Wylie T, Zhang L, Birney E, Han K, Konkel MK, Lee J, Smit AF, Ullmer B, Wang H, Xing J, Burhans R, Cheng Z, Karro JE, Ma J, Raney B, She X, Cox MJ, Demuth JP, Dumas LJ, Han SG, Hopkins J, Karimpour-Fard A, Kim YH, Pollack JR, Vinar T, Addo-Quaye C, Degenhardt J, Denby A, Hubisz MJ, Indap A, Kosiol C, Lahn BT, Lawson HA, Marklein A, Nielsen R, Vallender EJ, Clark AG, Ferguson B, Hernandez RD, Hirani K, Kehrer-Sawatzki H, Kolb J, Patil S, Pu LL, Ren Y, Smith DG, Wheeler DA, Schenck I, Ball EV, Chen R, Cooper DN, Giardine B, Hsu F, Kent WJ, Lesk A, Nelson DL, O'Brien W E, Prufer K, Stenson PD, Wallace JC, Ke H, Liu XM, Wang P, Xiang AP, Yang F, Barber GP, Haussler D, Karolchik D, Kern AD, Kuhn RM, Smith KE, Zwieg AS: Evolutionary and biomedical insights from the rhesus macaque genome. **Science** 316:222-234 (2007) I.F. 31.201

Giorda R, Ciccone R, Gimelli G, Pramparo T, Beri S, Bonaglia MC, Giglio S, Genuardi M, Argente J, Rocchi M, Zuffardi O: Two classes of low-copy repeats comediate a new recurrent rearrangement consisting of duplication at 8p23.1 and triplication at 8p23.2. **Hum Mutat** 28:459-468 (2007) I.F. 5.686

Marques-Bonet T, Sanchez-Ruiz J, Armengol L, Khaja R, Bertranpetit J, Rocchi M, Gazave E, Lopez-Bigas N, Navarro A: On the association between chromosomal rearrangements and genic evolution in humans and chimpanzees. **Genome Biol** 8:R230 (2007) I.F. 9.036

Roberto R, Capozzi O, Wilson RK, Mardis ER, Lomiento M, Tuzun E, Cheng Z, Mootnick AR, Archidiacono N, Rocchi M, Eichler EE: Molecular refinement of gibbon genome rearrangement. **Genome Res** 17:249-257 (2007) I.F. 13.608

Storlazzi CT, Albano F, Lo Cunsolo C, Doglioni C, Guastadisegni MC, Impera L, Lonoce A, Funes S, Macri E, Iuzzolino P, Panagopoulos I, Specchia G, Rocchi M: Upregulation of the SOX5 by promoter swapping with the P2RY8 gene in primary splenic follicular lymphoma. **Leukemia** 17:2221-2225 (2007) I.F. 9.561

Ventura M, Antonacci F, Cardone MF, Stanyon R, D'Addabbo P, Cellamare A, Sprague LJ, Eichler EE, Archidiacono N, Rocchi M: Evolutionary formation of new centromeres in macaque. **Science** 316:243-246 (2007) I.F. 31.201

Cardone MF, Alonso A, Pazienza M, Ventura M, Montemurro G, Carbone L, de Jong PJ, Stanyon R, D'Addabbo P, Archidiacono N, She X, Eichler EE, Warburton PE, Rocchi M: Independent centromere formation in a capricious, gene-free domain of chromosome 13q21 in Old World monkeys and pigs. **Genome Biol** 7:R91 (2006) I.F. 9.036
Ciccone R, Mattina T, Giorda R, Bonaglia MC, Rocchi M, Pramparo T, Zuffardi O: Inversion polymorphisms and non-contiguous terminal deletions: the cause and the (unpredicted) effect of our genome architecture. **J Med Genet** 43:e19 (2006) I.F. 6.365
Rocchi M, Archidiacono N, Stanyon R: Ancestral genomes reconstruction: An integrated, multi-disciplinary approach is needed. **Genome Res** 16:1441-1444 (2006) I.F. 13.608
She X, Liu G, Ventura M, Zhao S, Misceo D, Roberto R, Cardone MF, Rocchi M, Green ED, Archidiacono N, Eichler EE: A preliminary comparative analysis of primate segmental duplications shows elevated substitution rates and a great-ape expansion of intrachromosomal duplications. **Genome Res** 16:576-583 (2006) I.F. 13.608
Storlazzi CT, Albano F, Locunsolo C, Lonoce A, Funes S, Guastadisegni MC, Cimarosto L, Impera L, D'Addabbo P, Panagopoulos I, Specchia G, Rocchi M: t(3;12)(q26;q14) in polycythemia vera is associated with upregulation of the HMGA2 gene. **Leukemia** 20:2190-2192 (2006a) I.F. 9.561
Storlazzi CT, Fioretos T, Surace C, Lonoce A, Mastrorilli A, Strombeck B, D'Addabbo P, Iacovelli F, Minervini C, Aventin A, Dastugue N, Fonatsch C, Hagemeijer A, Jotterand M, Muhlematter D, Lafage-Pochitaloff M, Nguyen-Khac F, Schoch C, Slovak ML, Smith A, Sole F, Van Roy N, Johansson B, Rocchi M: MYC-containing double minutes in hematologic malignancies: evidence in favor of the episome model and exclusion of MYC as the target gene. **Hum Mol Genet** 15:933-942 (2006b) I.F. 7.636
Trubia M, Albano F, Cavazzini F, Cambrin GR, Quarta G, Fabbiano F, Ciambelli F, Magro D, M. HJ, Mancini M, Diverio D, Pelicci PG, L. CF, Mecucci C, Specchia G, Rocchi M, Liso V, Cuneo A: Characterization of a recurrent translocation t(2;3)(p15–22;q26) occurring in acute myeloid leukaemia. **Leukemia** 20:48-54 (2006) I.F. 9.561
Cheng Z, Ventura M, She X, Khaitovich P, Graves T, Osoegawa K, Church D, DeJong P, Wilson RK, Paabo S, Rocchi M, Eichler EE: A genome-wide comparison of recent chimpanzee and human segmental duplications. **Nature** 437:88-93 (2005) I.F. 36.280
Ciccone R, Giorda R, Gregato G, Guerrini R, Giglio S, Carrozzo R, Bonaglia MC, Priolo E, Lagana C, Tenconi R, Rocchi M, Pramparo T, Zuffardi O, Rossi E: Reciprocal translocations: a trap for cytogenetists? **Hum Genet** 117:571-582 (2005) I.F. 5.069
De Gregori M, Pramparo T, Memo L, Gimelli G, Messa J, Rocchi M, Patricelli MG, Ciccone R, Giorda R, Zuffardi O: Direct duplication 12p11.21-p13.31 mediated by segmental duplications: a new recurrent rearrangement? **Hum Genet** 18:207-213 (2005) I.F. 5.069
Horvath JE, Gulden CL, Vallente RU, Eichler MY, Ventura M, McPherson JD, Graves TA, Wilson RK, Schwartz S, Rocchi M, Eichler EE: Punctuated duplication seeding events during the evolution of human chromosome 2p11. **Genome Res** 15:914-27 (2005) I.F. 13.608
Jackson MS, Oliver K, Loveland J, Humphray JS, Dunham I, Rocchi M, Viggiano V, P. Park JP, Hurles M, Santibanez-Koref M: Evidence for widespread reticulate evolution within human duplicons. **Am J Hum Genet** 77:824-840 (2005) I.F. 11.716
Mikkelsen TS, Hillier LW, Eichler EE, Zody MC, Jaffe DB, Yang SP, Enard W, Hellmann I, Lindblad-Toh K, Altheide TK, Archidiacono N, Bork P, Butler J, Chang JL, Cheng Z, Chinwalla AT, deJong P, Delehaunty KD, Fronick CC, Fulton LL, Gilad Y, Glusman G, Gnerre S, Graves TA, Hayakawa T, Hayden KE, Huang XQ, Ji HK, Kent WJ, King MC, Kulbokas EJ, Lee MK, Liu G, Lopez-Otin C, Makova KD, Man O, Mardis ER, Mauceli E, Miner TL, Nash WE, Nelson JO, Paabo S, Patterson NJ, Pohl CS, Pollard KS, Prufer K, Puente XS, Reich D, Rocchi M, Rosenbloom K, Ruvolo M, Richter DJ, Schaffner SF, Smit AFA, Smith SM, Suyama M, Taylor J, Torrents D, Tuzun E, Varki A, Velasco G, Ventura M, Wallis JW, Wendl MC, Wilson RK, Lander ES, Waterston RH, Consortium CSA: Initial sequence of the chimpanzee genome and comparison with the human genome. **Nature** 437:69-87 (2005) I.F. 36.280
Misceo D, Cardone MF, Carbone L, D'Addabbo P, de Jong PJ, Rocchi M, Archidiacono N: Evolutionary history of chromosome 20. **Mol Biol Evol** 22:360-6 (2005) I.F. 5.550
Newman TL, Tuzun E, Morrison VA, Hayden KE, Ventura M, McGrath SD, Rocchi M, Eichler EE: A genome-wide survey of structural variation between human and chimpanzee. **Genome Res** 15:1344-1356 (2005) I.F. 13.608
Pramparo T, Grosso S, Messa J, Zatterale A, Bonaglia MC, Chessa L, Balestri P, Rocchi M, Zuffardi O, Giorda R: Loss-of-function mutation of the AF9/MLLT3 gene in a girl with neuromotor development delay, cerebellar ataxia, and epilepsy. **Hum Genet** 118:76-81 (2005) I.F. 5.069
Schueler MG, Dunn JM, Bird CP, Ross MT, Viggiano L, Rocchi M, Willard HF, Green ED: Progressive proximal expansion of the primate X chromosome centromere. **Proc Natl Acad Sci U S A** 102:10563-10568 (2005) I.F. 9.681
Bailey JA, Church DM, Ventura M, Rocchi M, Eichler EE: Analysis of segmental duplications and genome assembly in the mouse. **Genome Res** 14:789-801 (2004) I.F. 13.608
Cardone MF, Ballarati L, Ventura M, Rocchi M, Marozzi A, Ginelli E, Meneveri R: Evolution of Beta satellite DNA sequences: evidence for duplication-mediated repeat amplification and spreading. **Mol Biol Evol** 21:1792-1799 (2004) I.F. 5.550
Nergadze SG, Rocchi M, Azzalin CM, Mondello C, Giulotto E: Insertion of telomeric repeats at intrachromosomal break sites during primate evolution. **Genome Res** 14:1704-1710 (2004) I.F. 13.608

She X, Horvath JE, Jiang Z, Liu G, Furey TS, Christ L, Clark R, Graves T, Gulden CL, Alkan C, Bailey JA, Sahinalp C, Rocchi M, Haussler D, Wilson RK, Miller W, Schwartz S, Eichler EE: The structure and evolution of centromeric transition regions within the human genome. **Nature** 430:857-864 (2004) I.F. 36.280

Storlazzi CT, Fioretos T, Paulsson K, Strombeck B, Lassen C, Ahlgren T, Juliusson G, Mitelman F, Rocchi M, Johansson B: Identification of a commonly amplified 4.3 Mb region with overexpression of C8FW, but not MYC in MYC-containing double minutes in myeloid malignancies. **Hum Mol Genet** 13:1479-1485 (2004) I.F. 7.636

Ventura M, Weigl S, Carbone L, Cardone MF, Misceo D, Teti M, D'Addabbo P, Wandall A, Björck E, de Jong P, She X, Eichler EE, Archidiacono N, Rocchi M: Recurrent sites for new centromere seeding. **Genome Res** 14:1696-1703 (2004) I.F. 13.608

Albano F, Specchia G, Anelli L, Zagaria A, Liso A, Liso V, Rocchi M: A novel translocation t(14;15)(q32;q24) bearing deletion on der(14) in Philadelphia-positive chronic myeloid leukemia. **Haematologica** 88:1076-7 (2003) I.F. 6.424

Bonaglia MC, Giorda R, Cavallini A, Pramparo T, Rocchi M, Borgatti R, Zuffardi O: Distal trisomy 6p and 20q owing to the concurrent transposition of distal 6p and 20q to the 22q telomere: a genomic polymorphism? **J Med Genet** 40:e94 (2003) I.F. 6.365

Charchar FJ, Svartman M, El-Mogharbel N, Ventura M, Kirby P, Matarazzo MR, Ciccodicola A, Rocchi M, D'Esposito M, Graves JA: Complex events in the evolution of the human pseudoautosomal region 2 (PAR2). **Genome Res** 13:281-286 (2003) I.F. 13.608

Eder V, Ventura M, Ianigro M, Teti M, Rocchi M, Archidiacono N: Chromosome 6 phylogeny in primates and centromere repositioning. **Mol Biol Evol** 20:1506-1512 (2003) I.F. 5.550

Horvath JE, Gulden CL, Bailey JA, Yohn C, McPherson JD, Prescott A, Roe BA, De Jong PJ, Ventura M, Misceo D, Archidiacono N, Zhao S, Schwartz S, Rocchi M, Eichler EE: Using a pericentromeric interspersed repeat to recapitulate the phylogeny and expansion of human centromeric segmental duplications. **Mol Biol Evol** 20:1463-1479 (2003) I.F. 5.550

Locke DP, Archidiacono N, Misceo D, Cardone MF, Deschamps S, Roe B, Rocchi M, Eichler EE: Refinement of a chimpanzee pericentric inversion breakpoint to a segmental duplication cluster. **Genome Biol** 4:R50 (2003) I.F. 9.036

Specchia G, Albano F, Anelli L, Storlazzi CT, Zagaria A, Mancini M, Cuneo A, Pane F, Foa R, Manolelli F, Liso V, Rocchi M: Deletions on der(9) chromosome in adult Ph-positive acute lymphoblastic leukemia occur with a frequency similar to that observed in chronic myeloid leukemia. **Leukemia** 17:528-531 (2003) I.F. 9.561

Ventura M, Mudge JM, Palumbo V, Burn S, Blennow E, Pierluigi M, Giorda R, Zuffardi O, Archidiacono N, Jackson MS, Rocchi M: Neocentromeres in 15q24-26 map to duplicons which flanked an ancestral centromere in 15q25. **Genome Res** 13:2059–2068 (2003) I.F. 13.608

Bailey JA, Yavor AM, Viggiano L, Misceo D, Horvath JE, Archidiacono N, Schwartz S, Rocchi M, Eichler EE: Human-specific duplication and mosaic transcripts: the recent paralogous structure of chromosome 22. **Am J Hum Genet** 70:83-100 (2002) I.F. 11.716

Crosier M, Viggiano L, Guy J, Misceo D, Stones R, Wei W, Hearn T, Ventura M, Archidiacono N, Rocchi M, Jackson MS: Human paralogs of KIAA0187 were created through independent pericentromeric-directed and chromosome-specific duplication mechanisms. **Genome Res** 12:67-80 (2002) I.F. 13.608

Giglio S, Calvari V, Gregato G, Gimelli G, Camanini S, Giorda R, Ragusa A, Guerneri S, Selicorni A, Stumm M, Tonnies H, Ventura M, Zollino M, Neri G, Barber J, Wieczorek D, Rocchi M, Zuffardi O: Heterozygous submicroscopic inversions involving olfactory receptor-gene clusters mediate the recurrent t(4;8)(p16;p23) translocation. **Am J Hum Genet** 71:276-85 (2002) I.F. 11.716

Saglio G, Storlazzi CT, Giugliano E, Surace C, Anelli L, Rege-Cambrin G, Zagaria A, Jimenez Velasco A, Heiniger A, Scaravaglio P, Torres Gomez A, Roman Gomez J, Archidiacono N, Banfi S, Rocchi M: A 76-kb duplicon maps close to the BCR gene on chromosome 22 and the ABL gene on chromosome 9: possible involvement in the genesis of the Philadelphia chromosome translocation. **Proc Natl Acad Sci U S A** 99:9882-9887 (2002) I.F. 9.681

Specchia G, Albano F, Storlazzi CT, Anelli L, Zagaria A, Liso V, Rocchi M: t(15;17) in acute promyelocytic leukemia is not associated with submicroscopic deletions on der(17). **Haematologica** 87:775-777 (2002) I.F. 6.424

Vitale E, Cook S, Sun R, Specchia C, Subramanian K, Rocchi M, Nathanson D, Schwalb M, Devoto M, Rohowsky-Kochan C: Linkage analysis conditional on HLA status in a large North American pedigree supports the presence of a multiple sclerosis susceptibility locus on chromosome 12p12. **Hum Mol Genet** 11:295-300 (2002) I.F. 7.636

Crisponi L, Deiana M, Loi A, Chiappe F, Uda M, Amati P, Bisceglia L, Zelante L, Nagaraja R, Porcu S, Serafina Ristaldi M, Marzella R, Rocchi M, Nicolino M, Lienhardt-Roussie A, Nivelon A, Verloes A, Schlessinger D, Gasparini P, Bonneau D, Cao A, Pilia G: The putative forkhead transcription factor FOXL2 is mutated in blepharophimosis/ptosis/epicanthus inversus syndrome. **Nat Genet** 27:159-166 (2001) I.F. 35.532

Johnson ME, Viggiano L, Bailey JA, Abdul-Rauf M, Goodwin G, Rocchi M, Eichler EE: Positive selection of a gene family during the emergence of humans and African apes. **Nature** 413:514-519 (2001) I.F. 36.280

Langer S, Fauth C, Rocchi M, Murken J, Speicher MR: AcroM fluorescent in situ hybridization analyses of marker chromosomes. **Hum Genet** 109:152-8 (2001) I.F. 5.069

Nietzel A, Rocchi M, Starke H, Heller A, Fiedler W, Wlodarska I, Loncarevic IF, Beensen V, Claussen U, Liehr T: A new multicolor-FISH approach for the characterization of marker chromosomes: centromere-specific multicolor-FISH (cenM-FISH). **Hum Genet** 108:199-204 (2001) I.F. 5.069

Piccini I, Ballarati L, Bassi C, Rocchi M, Marozzi A, Ginelli E, Meneveri R: The structure of duplications on human acrocentric chromosome short arms derived by the analysis of 15p. **Hum Genet** 108:467-477 (2001) I.F. 5.069
Ventura M, Archidiacono N, Rocchi M: Centromere emergence in evolution. **Genome Res** 11:595-599 (2001) I.F. 13.608
Heller A, Seidel J, Hubler A, Starke H, Beensen V, Senger G, Rocchi M, Wirth J, Chudoba I, Claussen U, Liehr T: Molecular cytogenetic characterisation of partial trisomy 9q in a case with pyloric stenosis and a review. **J Med Genet** 37:529-532 (2000) I.F. 6.365
Ciccodicola A, D'Esposito M, Esposito T, Gianfrancesco F, Migliaccio C, Miano MG, Matarazzo MR, Vacca M, Franz A, Cuccurese M, Cocchia M, Curci A, Terracciano A, Torino A, Cocchia S, Mercadante G, Pannone E, Archidiacono N, Rocchi M, Schlessinger D, D'Urso M: Differentially regulated and evolved genes in the fully sequenced Xq/Yq pseudoautosomal region. **Hum Mol Genet** 9:395-401 (2000) I.F. 7.636
Guy J, Spalluto C, McMurray A, Hearn T, Crosier M, Viggiano L, Miolla V, Archidiacono N, Rocchi M, Scott C, Lee PA, Sulston J, Rogers J, Bentley D, Jackson MS: Genomic sequence and transcriptional profile of the boundary between pericentromeric satellites and genes on human chromosome arm 10q. **Hum Mol Genet** 9:2029-42 (2000) I.F. 7.636
Horvath JE, Viggiano L, Loftus BJ, Adams MD, Archidiacono N, Rocchi M, Eichler EE: Molecular structure and evolution of an alpha satellite/non-alpha satellite junction at 16p11. **Hum Mol Genet** 12:113-123 (2000) I.F. 7.636
Storlazzi TC, Liso V, Albano F, Castoldi G, Rocchi M, Specchia G: Acute myeloblastic leukemia with minimal myeloid differentiation featuring a three-way translocation t(8;13;14). **Haematologica** 85:1099-1100 (2000) I.F. 6.424