

## 5. Literaturverzeichnis

- Anderson S., T.W. Meyer, H.G. Renneke (1985): Control of glomerular Hypertension limits glomerular injury in rats with reduced renal mass. *J.clin. Invest.* **76**, 612-619
- Baigent C, Burbury K, Wheeler D (2000): Premature cardiovascular disease in chronic renal failure. *Lancet* **356**, 147-52
- Beckmann JS, Weber JL (1992): Survey of human and rat microsatellites. *Genomics* **12**, 627-631
- Bihoreau MT, Gauguier D, Kato N, Hyne G, Lindpaintner K, Rapp JP, James MR, Lathrop GM (1997): A linkage map of the rat derived from three F2 crosses. *Genome Res* **7(5)**, 434-40
- Botstein D, White RL, Skolnick M, Davies RW (1980): Construction of a genetic linkage map in man using restriction length polymorphism. *Am J Hum Genet.* **32(2)**, 314-31
- Bradford MM (1976): A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Anal Biochem* **72**, 248-54
- Fassi A, Sangalli F, Maffi R, Colombi F, Mohamed EI, Brenner BM, Remuzzi G, Remuzzi A (1998): Progressive glomerular injury in the MWF rat is predicted by inborn nephron deficit. *J Am Soc Nephrol* **9**, 1399-406
- Frankel WN, Schork NJ (1996): Who's afraid of epistasis? *Nat Genet* **14(4)**, 371-3.
- Fox C, Yang Q, Guo C, Cupples A, Wilson P, Levy D, Meigs J (2004): Genome-wide linkage analysis to urinary microalbuminuria in a community-based sample: The Framingham Heart Study. *Kidney Int* **67**, 70-74
- Hackbarth H, Gwinner W, Alt JM, Hagemann I, Thieman A, Finke B (1991): The Munich Wistar Frömter Rat: Proteinuria and blood pressure in correlation to the number of superficial glomeruli. *Renal Physiol Biochem* **14**, 246-252.
- Harrap, S (2003): Where are all the blood pressure genes? *Lancet* **361**, 2149-2151
- Hillege HL, Fidler V, Diercks G, van Gilst WH, de Zeeuw D (2002): Urinary albumin excretion predicts cardiovascular and noncardiovascular mortality in general population : Prevention of Renal and Vascular End Stage Disease (PREVEND) Study Group. *Circulation* **106**, 1777-1782
- Holzman LB, St John PL, Kovari IA, Verma R, Holthofer H, Abrahamson DR (1999): Nephrin localizes to the slit pore of the glomerular epithelial cell. *Kidney Int* **56(4)** 1482-91
- Jacob HJ, Brown DM, Bunker RK, Daly MJ, Dzau VJ, Goodman A, Koike G, Kren V, Kurtz T, Lemark A, et al. (1995): A genetic linkage map of the laboratory rat, Rattus norvegicus. *Nat Genet.* **9(1)**, 63-9
- Jeffreys AJ, Wilson V, Thein SL (1985): Hypervariable minisatellite regions in human DNA. *Nature* **314(6006)**, 67-73
- Kestila M, Lenkkeri U, Mannikko M, Lamerdin J, McCready P, Putala H, Ruotsalainen V, Morita T, Nissinen M, Herva R, Kashtan CE, Peltonen L, Holmberg C, Olsen A, Tryggvason K (1998): Positionally cloned gene for a novel glomerular protein-nephrin-is mutated in congenital nephrotic syndrome. *Mol Cell* **1**: 575-582
- Klag, M.J. Whelton PK, Randall BL, Neaton JD, Brancati FL, Stamler J (1997): End-stage renal

- disease in African-American and white men. 16-year-MRFIT findings. *J. Amer. Med. ass.* **277** 1293-1298
- Klahr S., Levey AS, Beck GJ (1994): Modification of Diet in Renal Disease Study Group. *New Engl J. Med.* **330** 877-884
- Kren V, Pravenec M, Lu S, Krenova D, Wang J, Wang N, Merriouns T, Wong A, St.Lenzin E, Lau D, Szpirer C, Szpirer J, Kurtz T (1997): Genetic isolation of a region on chromosome 8 that exerts major effect on blood pressure and cardiac mass in the Spontaneously Hypertensive Rat. *J. Clin. Invest* **99 (4)** 577-581.
- Kunieda T, Kobayashi E, Tachibana M, Ikadai H, Imamichi T (1992) : Polymorphiv microsatellite Loci of the rat (*Rattus norvegicus*). *Mamm Genome* **3(19)**, 564-7
- Lander ES, Botstein D (1989): Mapping Mendelian factors underlying quantitative traits using RFLP linkage maps. *Genetics* **121**, 185-199
- Lander ES, Green P, Abrahamson J, Barlow A, Daly MJ, Lincoln SE, Newbueg L (1987): MAPMAKER: an interactive computer package for constructing primary genetic linkage maps of experimental and natural populations. *Genomics* **1**, 174-81
- Lander ES, Kruglyak L (1995): Genetic dissections of complex traits: guidelines for interpreting and reporting linkage results. *Nat Genet* **11**, 241-247
- Lifton RP, Gharavi AG, Geller DS (2001): Molecular Mechanisms of Human Hypertension. *Cell* **104**, 545-556
- Lyons PA, Armitage N, Lord CJ, Phillips MS, Todd JA, Peterson LB, Wicker LS (2001): Mapping by genetic interaction: high-resolution congenic mapping of the type 1 diabetes Loci Idd10 and Idd18 in the NOD mouse. *Diabetes* **50(11)**, 2633-7
- Macconi D, Ghilardi M, Bonassi ME, Mohamed EI, Abbate M, Colombi F, Remuzzi G, Remuzzi A (2000): Effect of angiotensin-converting enzyme inhibition on glomerular basement membrane permeability and distribution of zonula occludens-1 in MWF rats. *J Am Soc Nephrol* **11(3)**, 477-89
- Mann JF Gerstein HC, Pogue J, Bosch J, Yusuf S (2001); Renal insufficiency as a predictor of cardiovascular outcomes and the impact of Ramipril: The HOPE randomized trial. *Ann Intern Med* **134**, 629-36.
- Pravenec M, Gauguier D, Schott JJ, Buard J, Kren V, Bila V, Szpirer C, Szpirer J, Wang JM, Huang H, St Lezin E, Spence MA, Flodman P, Printz M, Lathrop GM, Vergnaud G, Kurtz TW (1996): A genetic linkage map of the rat derived from recombinant inbred strains. *Mamm Genom* **7(2)**,117-27
- Poyan Mehr A, Siegel AK, Kossmehl P, Schulz A, Plehm R, de Bruijn JA, de Heer E, Kreutz R (2003): Early onset albuminuria in Dahl rats is a polygenetic trait that is independent from salt loading. *Physiol Genomics* **14(3)**, 209-16
- Rapp JP (2000): Genetic analysis of inherited hypertension in the rat. *Physiol. Rev.* **80**, 135-172
- Reiser J, von Gersdorff G, Simons M, Schwarz K, Faul C, Giardino L, Heider T, Loos M, Mundel P (2002): Novel concepts in understanding management in glomerular proteinuria. *Nephrol Dial Transplant* **17**: 951-955.
- Remuzzi A, Puntonieri S, Alfano M, Mazzoleni A, Remuzzi G (1988): Sex related differences in

glomerular ultrafiltration and proteinuria in Munich-Wistar rats. *Kidney Int* **34**, 481-486

Remuzzi A, Punziori S, Alfano M, Macconi D, Abbate M, Bertani T, Remuzzi G (1992):

Pathophysiologic implications of proteinuria in a rat model of progressive glomerular injury. *Lab Invest* **67**, 572-579

Rodewald R, Karnovsky MJ (1974): Porous substructure of the glomerular slit diaphragma in the rat

and mouse. *J Cell Biol* **60(2)** 423-33

Ruizope LM, Alcazar JM, Hernandez E, Moreno F, Martinez MA, Rodicio JL (1990): Does an adequate control of blood pressure protect the kidney in essential hypertension? *J Hypertens* **8**, 525-531

Ruizope LM, Salvetti A, Jamerson K, Hansson L, Warnold I, Wedel H, Zanchetti A (2001):

Renal function and intensive lowering of blood pressure in hypertensive participants of the hypertension optimal treatment (HOT) Study. *J Am Soc Nephrol* **12**, 218-25

Schork NJ, Nath SP, Lindpainter K, Jacob HJ (1996): Extensions to quantitative trait Locus mapping in experimental organisms. *Hypertension* **28(6)**: 1104-11

Schulz A, Lifin A, Kossmehl P, Kreutz R (2002): Genetic dissection of Increased Urinary Albumin Excretion in the Munich Wistar Frömter Rat. *J Am Soc Nephrol* **13**, 2706-2714.

Schulz A, Standke D, Kovacevic L, Mostler M, Kossmehl P, Stoll M, Kreutz R (2003) A Major gene Locus links early onset albuminuria with interstitial fibrosis in the MWF Rat with polygenic albuminuria. *J Am Soc Nephrol* **14**: 3081-3089

Serikawa T, Kuramoto T, Hilbert P, Mori M, Yamada J, Dubay CJ, Lindpainter K, Ganter D, Guenet JL, Lathrop GM et al. (1992): Rat gene mapping using PCR-analyzed microsatellites. *Genetics* **131(3)**, 701-21

Stallings RL, Ford AF, Nelson D, Torney DC, Hildebrand CE, Moyzis RK (1991): Evolution and distribution of (GT)n repetitive sequences in mammalian genomes. *Genomics* **10**, 807-815

Szpirer C, Riviere M, Szpirer J, Genet M, Dreze P, Levan G (1989): The rat gene map : assignment of 10 Loci to chromosome 5, and homology of chromosome 5 with mouse chromosome 4, human chromosome 9, and human chromosome arm 1p. *Cytogenet Cell Genet* **51**, 1087

Van Dijk S, Specht PAC, Lazar J, Jacob HJ, Provoost AP (2006): Synergistic QTL interactions between RF-1 and Rf-3 increase renal damage susceptibility in double congenic rats. *Kidney Int* **69**, 1369-1376

Watanabe TK, Bihoreau MT, McCarthy LC, Kiguwa SL, Hishigaki H, Tsuji A, Browne J, Yamasaki Y, Mizoguchi, Miyakita A, Oga K, Ono T, Okuno S, Kanemoto N, Takahashi E, Tomita K, Hayashi H, Adachi M, Webber C, Davis M, Kiel S, Knights C, Smith A, Critcher R, Miller J, James MR (1999): A radiation hybrid map of the rat genome containing 5255 markers. *Nat Genet* **22**, 3-4

Weber M (1989): Structure and antigenicity of the glomerular basement membrane. *Verh Dtsch Ges Pathol* **73**, 6-12