**ROBERT D. GOLDMAN**

**PUBLIKACE**

Goldman RD (1967). The structure and some properties of the isolated mitotic apparatus. PhD thesis submitted to Princeton University.

Rebhun LI, Sander G, Goldman RD and Bernstein L (1967). The organization of mitotic apparatus (MA). Seventh International Congress of Biochem Symp V1-4, 6.

Goldman RD and Rebhun LI (1969). The structure and some properties of the isolated mitotic apparatus. J Cell Sci 4:179-209. PMID: 4180667

Forer A and Goldman RD (1969). Comparisons of isolated and *in vivo* mitotic apparatuses. Nature May 17;222(5194):689-691. PMID: 5813974

Goldman RD and Follett EAC (1969). The structure of the major cell processes of isolated BHK-21 fibroblasts. Exp Cell Res Oct 57:263-276. PMID: 4899847

Follett EAC and Goldman RD (1970). The occurrence of microvilli during spreading and growth of BHK-21/C13 fibroblasts. Exp Cell Res Jan;59:124-136. PMID: 5448185

Goldman RD and Follett EAC (1970). Birefringent filamentous organelle in BHK-21 cells and its possible role in cell spreading and motility. Science Jul 17;169:286-288. PMID: 4915821

Goldman RD (1971). The role of three cytoplasmic fibers in BHK-21 cell motility. I. Microtubules and the effects of colchicine. J Cell Biol Dec;51:752-762. PMID: 4942774 PMCID: PMC210853

Goldman RD (1972). The effects of cytochalasin B on the microfilaments of baby hamster kidney (BHK-21) cells. J Cell Biol Feb;52:246-254. PMID: 5061947 PMCID: PMC2108645

Forer A and Goldman RD (1972). The concentrations of dry matter in mitotic apparatuses *in vivo* and after isolation from sea-urchin zygotes. J Cell Sci Mar;10(2):387-418. PMID: 4553008

Goldman RD and Knipe D (1973). Functions of cytoplasmic fibers in non-muscle cell motility. Cold Spring Harb Symp Quant Biol 37:523-534.

Goldman RD, Pollack R and Hopkins NH (1973). Preservation of normal behavior by enucleated cells in culture. PNAS (USA) 70:750-754. (Series of 3 papers - #1). PMID: 4197626 PMCID: PMC433350

Pollack R and Goldman RD (1973). Synthesis of infective poliovirus in BSC-1 monkey cells enucleated with cytochalasin B. Science 179:915-916.

Goldman RD, Berg C, Bushnell A, Chang CM, Dickerman L, Hopkins N, Miller ML,

Pollack R and Wang E (1973). Fibrillar systems in cell motility. CIBA Symposium No. 14, Locomotion of Tissue Cells. Elsevier-North Holland NY, pp. 83-107. PMID: 4130536

Chang CM and Goldman RD (1973). The localization of actin-like fibers in cultured neuroblastoma cells as revealed by heavy meromyosin binding. J Cell Biol Jun;57(3):867-874. PMID: 4572924 PMCID: PMC2109000

Dickerman LH and Goldman RD (1973). A rapid method for production of binucleate cells. Exp Cell Res Feb;83(2):433-436. PMID: 4593589

Goldman RD and Pollack R (1974). Uses of enucleated cells. in Methods in Cell Physiology (ed. Prescott D). Academic Press 8:123-143. PMID: 4366068

Pollack R, Goldman RD, Conlon S and Chang CM (1974). Properties of enucleated cells. II. Characteristic overlapping of transformed cells is reestablished by enucleates. Cell Sep;3(1)51-54. (Series of 3 papers - #2). PMID: 4370294

Goldman RD, Lazarides E, Pollack R and Weber K (1975). The distribution of actin in non-muscle cells: the use of actin antibody in the localization of actin within the microfilament bundles of mouse 3T3 cells. Exp Cell Res Feb;90(2):333-344. PMID: 1089542

Goldman RD, Chang C and Williams JF (1975). Properties and behavior of hamster embryo cells transformed by human adenovirus Type 5. Cold Spring Harb Symp Quant Biol Tumor Viruses 39 (Pt1):601-614. PMID: 169093

Weber K, Lazarides E, Goldman RD, Vogel A and Pollack R (1975). Localization and distribution of actin fibers in normal, transformed revertant cells. Cold Spring Harb Symp Quant Biol Tumor Viruses 39:363-370. PMID: 169080

Goldman RD, Pollack R, Chang CM and Bushnell A (1975). Properties of enucleated cells. III. Changes in cytoplasmic architecture of enucleated BHK-21 cells following trypsinization and replating. Exp Cell Res Jun;93(1):175-183. (Series of 3 papers - #3). PMID: 1170079

Goldman RD (1975). The use of heavy meromyosin binding as a ultrastructural cytochemical method for localizing and determining the possible functions of actin-like microfilaments in non-muscle cells. J Histochem Cytochem Jul;23(7):529-542. PMID: 1095652

Dickerman LH and Goldman RD (1976). The production of binucleate mammalian cell populations. in Methods in Cell Biology (ed. Prescott D). Academic Press 14:81-86. PMID: 794632

Albrecht-Buehler G and Goldman RD (1976). Microspike-mediated particle transport towards the cell body during early spreading of 3T3 cells. Exp Cell Res Feb;97(2):329-339. PMID: 1248523

Goldman RD, Schloss JA and Starger JM (1976). Organizational changes of actin-like microfilaments during animal cell movement. in Cell Motility (ed. Goldman RD, Pollard T and Rosenbaum J). Cold Spring Harbor Laboratory Press, pp. 217-245.

Goldman RD, Pollard T and Rosenbaum J editors (1976). Cell Motility. in Cold Spring Harbor Conferences on Cell Proliferation, Books A, B, and C, Volume 3, pp. 1373.

Goldman RD, Yerna MJ and Schloss JA (1976). Localization and organization of microfilaments and related proteins in normal and virus-transformed cells. J Supramol Struct 5(2):155-183. PMID: 794589

Goldman RD (1977). Microfilaments. in 1977 McGraw-Hill Yearbook of Science and Technology, pp. 155-157.

Starger JM and Goldman RD (1977). Isolation and preliminary characterization of 10nm filaments from baby hamster kidney (BHK-21) cells. Pub Natl Acad Sci USA Jun;74(6):2422-2426. PMID: 329284 PMCID: PMC432184

Schloss JA, Milsted A and Goldman RD (1977). Myosin subfragment binding for the localization of actin-like microfilaments in cultured cells. A light and electron microscope study. J Cell Biol Sep;74(3):794-815. PMID: 71303 PMCID: PMC2110091

Kobayashi R, Goldman RD, Hartshorne DJ and Field JB (1977). Purification and characterization of myosin from bovine thyroid. J Biol Chem Nove25;252(22):8285-8291. PMID: 914871

Yerna MJ, Aksoy MO, Hartshorne DJ and Goldman RD (1978). BHK-21 myosin: isolation, biochemical characterization and intracellular localization. J Cell SciJun;31:411-429. PMID: 149798

Starger JM, Brown WE, Goldman AE and Goldman RD (1978). Biochemical and immunological analysis of rapidly purified 10nm filaments from baby hamster kidney BHK-21 cells. J Cell Biol Jul;78(1): 93-109. PMID: 566763 PMCID: PMC2110160

Wang E and Goldman RD (1978). Functions of cytoplasmic fibers in intracellular movements in BHK-21 cells. J Cell Biol Dec;79(3):708-726. PMID: 569659 PMCID: PMC2110264

Steinert PM, Zimmerman SB, Starger JM and Goldman RD (1978). Ten nanometer filaments of hamster BHK-21 cells and epidermal keratin filaments have similar structures. Proc Natl Acad Sci USA Dec;75(12):6098-6101. PMID: 282627 PMCID: PMC393125

Yerna MJ, Dabrowska R, Hartshorne DJ and Goldman RD (1979). Calcium-sensitive regulation of actin-myosin interactions in baby hamster kidney (BHK-21) cells. Proc Natl Acad Sci Jan;76(1):184-188. PMID: 154671 PMCID: PMC382901

Yerna MJ, Hartshorne DJ and Goldman RD (1979). Isolation and characterization of baby hamster kidney (BHK-21) cell modulator protein. Biochem Feb 20;18(4):673-678. PMID: 217421

Goldman RD, Chojnacki B and Yerna MJ (1979). Ultrastructure of microfilament bundles of BHK-21 cells: the use of tannic acid. J Cell Biol Mar;80(3):759-766. PMID: 379017 PMCID: PMC2110360

Goldman RD, Milsted A, Schloss JA, Starger JM and Yerna MJ (1979). Cytoplasmic fibers in mammalian cells: cytoskeletal and contractile elements. Annu Rev Physiol 41:703-722. PMID: 373606

Schloss JA and Goldman RD (1979). Isolation of a high molecular weight actin-binding protein from BHK-21 cells. Proc Natl Acad Sci USA Sep;76(9):4484-4488. PMID: 291980 PMCID: PMC411601

Zackroff RV and Goldman RD (1979). *In vitro* assembly of intermediate filaments from baby hamster kidney (BHK-21) cells. Proc Natl Acad Sci Dec;76(12):6226-6230. PMID: 293716 PMCID: PMC411836

Steinert PM, Starger JM and Goldman RD (1980). Homologous structures of 100Å filaments and mammalian keratin filaments. in Proceedings of the International Conference on Fibrous, New Zealand. Academic Press.

Steinert PM, Idler WW and Goldman RD (1980). Intermediate filaments of baby hamster kidney (BHK-21) cells and bovine epidermal keratinocytes have similar ultrastructures and subunit domain structures. Proc Natl Acad Sci Aug;77(8) :4534-4538. PMID: 6159631 PMCID: PMC349878

Zackroff RV and Goldman RD (1980). *In vitro* reassembly of squid brain intermediate filaments (neurofilaments): purification by assembly-disassembly. Science Jun 6;208:1152-1155. PMID: 7189605

Goldman RD, Hill B, Steinert PM, Whitman M and Zackroff RV (1980). Intermediate filament-microtubule interactions: evidence in support of a common organization center. in Microtubules and Microtubule Inhibitors (eds. Debrabander and DeMey). Elsevier-North Holland, pp. 91-102.

Schloss JA and Goldman RD (1980). Microfilaments and tropomyosin of cultured mammalian cells: isolation and characterization. J Cell Biol Dec;87(3 Pt 1):633-642. PMID: 6893987 PMCID: PMC2110773

Goldman RD, Chojnacki B, Goldman AE, Starger JM, Steinert PM, Talian J, Whitman M and Zackroff RV (1981). Aspects of the cytoskeleton and cytomusculature of non-muscle cells. in Cytoskeletons and the Architecture of Nervous Systems. Neurosci Res Prog Bull Feb;19(1):59-82. PMID: 6894186

Steinert PM, Idler WW, Cabral F, Gottesman MM and Goldman RD (1981). *In vitro* assembly of homopolymer and copolymer filaments from intermediate filament subunits of muscle and fibroblastic cells. Proc Natl Acad Sci USA Jun;78(6):3692-3696. PMID: 6943573 PMCID: PMC319637

Zackroff RV, Steinert PM, Aynardi-Whitman M and Goldman RD (1981). Intermediate Filaments. in Cytoskeletal Elements and Plasma Membrane Organization (eds. Nicolson GL and Poste G). North Holland NY, pp. 55-97.

Steinert PM, Zackroff RV, Aynardi-Whitman M and Goldman RD (1982). Isolation and characterization of intermediate filaments. *in* Methods in Cell Biology (ed. Wilson L). Academic Press 24:399-419. PMID: 6178945

Steinert PM, Idler W, Aynardi-Whitman M, Zackroff RV and Goldman RD (1982). Heterogeneity of intermediate filaments assembled *in vitro*. Cold Spring Harb Symp Quant Biol XLVI:465-474. PMID: 6179700

Zackroff RV, Idler WW, Steinert PM and Goldman RD (1982). *In vitro* reconstitution of intermediate filaments from mammalian neurofilament triplet polypeptides. Proc Natl Acad Sci USA Feb;79(3):754-757. PMID: 6950425 PMCID: PMC345830

Jones JCR, Goldman AE, Steinert PM, Yuspa S and Goldman RD (1982). Dynamic aspects of the supramolecular organization of intermediate filament networks in cultured epidermal cells. Cell Motil Cytoskeleton 2(3):197-213. PMID: 6756644

Hayden JH, Allen RD and Goldman RD (1983). Cytoplasmic transport in keratocytes: direct visualization of particle translocation along microtubules. Cell Motil Cytoskeleton 3(1):1-19. PMID: 6601992

Talian JC, Olmsted JB and Goldman RD (1983). A rapid procedure for preparing fluorescein-labelled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture. J Cell Biol Oct;97(4):1277-1282. PMID: 6413513 PMCID: PMC2112630

Green KJ and Goldman RD (1983). The effects of taxol on cytoskeletal components in cultured fibroblasts and epithelial cells. Cell Motil Cytoskeleton 3:283-305. Review. PMID: 6139172

Aynardi-Whitman M, Steinert PM and Goldman RD (1984). Human epithelial cell intermediate filaments: isolation, purification, and characterization. J Cell Biol Apr;98(4):1407-1421. PMID: 6538880 PMCID: PMC2113201

Zackroff RV, Goldman AE, Jones JCR, Steinert PM and Goldman RD (1984). Isolation and characterization of keratin-like proteins from cultured cells with fibroblastic morphology. J Cell Biol Apr;98(4):1231-1237. PMID: 6201488 PMCID: PMC2113247

Goldman RD, Goldman AE, Green KJ, Jones JCR, Lieska N, Talian JC and Zackroff RV (1984). Intermediate filaments: their interactions with various cell organelles and their associated proteins. J Submicr Cytol 16(1):73-74.

Steinert PM, Jones JCR and Goldman RD (1984). Intermediate Filaments. J Cell Biol Jul;99(1 Pt 2):22s-27s. PMID: 6204990 PMCID: PMC2275592

Jones JCR, Arnn J, Staehelin LA and Goldman RD (1984). Human autoantibodies against desmosomes: possible causative factors in pemphigus. Proc Natl Acad Sci USA May;81(9):2781-2785. PMID: 6201863 PMCID: PMC345154

Jones JCR, Goldman AE,Yang HY and Goldman RD (1985). The organizational fate of intermediate filament networks in two epithelial cell types during mitosis. J Cell Biol Jan;100(1):93-102. PMID: 2578129 PMCID: PMC2113486

Yang HY, Lieska N, Goldman AE and Goldman RD (1985). A 300,000-mol-wt intermediate filament-associated protein in baby hamster kidney (BHK-21) cells. J Cell Biol Feb;100(2):620-631. PMID: 3881459 PMCID: PMC2113446

Jones JCR and Goldman RD (1985). Intermediate filaments and the initiation of desmosome assembly. J Cell Biol Aug;101(2):506-517. PMID: 3894376 PMCID: PMC2113668

Lieska N, Yang HY and Goldman RD (1985). Purification of the 300K intermediate filament-associated protein and its *in vitro* recombination with intermediate filaments. J Cell Biol Sep;101(3): 802-813. PMID: 3897249 PMCID: PMC2113722

Goldman RD, Goldman AE, Jones JCR and Parysek L (1985). The structure and function of intermediate filament networks in mammalian cells. Proceedings of the 43rd Annual Meeting of the Electron Microscopy Society of America (ed. Bailey GW), pp. 752-755.

Goldman RD, Goldman AE, Jones JCR and Parysek L (1985). The structure and function of intermediate filament networks in mammalian cells. in Electron Microscopy and Alzheimer's Disease (ed. Metuzals J), pp. 60-63.

Goldman RD, Goldman AE, Green KJ, Jones JCR, Lieska N and Yang HY (1985). Intermediate filaments: possible functions as cytoskeletal connecting links between the nucleus and the cell surface. Annals NY Acad Sci 455:1-17.

Green KJ, Lieska N, Yang H-Y, and Goldman RD (1985). High molecular weight proteins associated with fibroblast intermediate filaments. Annals NY Acad Sci 455:686-690.

Jones JCR, Goldman AE,Yang HY and Goldman RD (1985). Distribution of intermediate filaments and their associated proteins during various stages of the mammalian cell cycle. Annals NY Acad Sci 455:695-698.

Tytell M, Hill WD, Goldman RD and Zackroff RV (1985). Regional distribution of squid neurofilament proteins. Annals NY Acad Sci 455:812-813.

Jones JCR, Yokoo KM and Goldman RD (1986). Further analysis of pemphigus autoantibodies and their use in studies on the heterogeneity, structure and function of desmosomes. J Cell Biol Mar;102(3):1109-1117. PMID: 3512579 PMCID: PMC2114111

Green KJ and Goldman RD (1986). Evidence for an interaction between the cell surface and intermediate filaments in cultured fibroblasts. Cell Motil Cytoskeleton 6(4)389-405. PMID: 3757071

Green KJ, Talian JC and Goldman RD (1986). Relationship between intermediate filaments and microfilaments in cultured fibroblasts: evidence for common foci during cell spreading. Cell Motil Cytoskeleton 6(4):406-418. PMID: 3757072

Goldman AE, Maul G, Steinert PM, Yang HY and Goldman RD (1986). Keratin-like proteins that coisolate with intermediate filaments of BHK-21 cells are nuclear lamins. Proc Natl Acad Sci USA Jun;83(11):3839-3843. PMID: 2424013 PMCID: PMC323619

Jones JCR, Yokoo KM and Goldman RD (1986). A cell surface desmosome-associated component: identification of a tissue-specific cell adhesion molecule. Proc Natl Acad Sci Oct;83(19):7282-7286. PMID: 3532108 PMCID: PMC386700

Goldman RD, Goldman AE,Green KJ, Jones JCR, Jones SM and Yang HY (1986). Intermediate filament networks: organization and possible functions of a diverse group of cytoskeletal elements. J Cell Sci Suppl 5:69-97. PMID: 3308919

Jones JCR, Yokoo KM and Goldman RD (1986). Is the hemidesmosome a half desmosome? An immunological comparison of mammalian desmosomes and hemidesmosomes. Cell Motil Cytoskeleton 6(6):560-569. PMID: 3542242

Parysek LM and Goldman RD (1987). Characterization of intermediate filaments in PC12 cells. J Neurosci Mar;7(3):781-791. PMID: 3549994.

Green KJ, Geiger B, Jones JCR, Talian JC and Goldman RD (1987). The relationship between intermediate filaments and microfilaments before and during the formation of desmosomes and adherens-type junctions in mouse epidermal keratinocytes. J Cell Biol May104(5):1389-1402. PMID: 2437129 PMCID: PMC2114486

Parry AD, Conway JF, Goldman AE, Goldman RD and Steinert PM (1987). Nuclear lamin proteins: common structures for paracrystalline, filamentous and lattice forms. Intl J Biol. Macromol 9:137-145.

Singh B, Goldman RD, Hutton L, Herzog NK and Arlinghaus RB (1987). The P55 protein affected by v-*mos* expression is vimentin. J Virol 61:3625-3629.

Jones JCR and Goldman RD (1987). Localization and nature of pemphigus antigens in stratified squamous epithelium. in Oral Mucosal Diseases: Biology, Etiology and Therapy. Proceedings of the Second Dows Symposium, Iowa City, pp. 10-15.

Jones JCR, Vikstrom KL and Goldman RD (1987). Evidence for heterogeneity in the 160/165Kd X 103 Mr glycoprotein components of desmosomes. J Cell Sci Nov;88(Pt 4):513-520. PMID: 3332672

Green KJ, Goldman RD and Chisholm RL (1988). Isolation of cDNAs encoding desmosomal plaque proteins: evidence that bovine desmoplakins I and II are derived from two mRNAs and a single gene. Proc Natl Acad Sci USA Apr;85(8):2613-2617. PMID: 3282232 PMCID: PMC 280048

Dessev GN, Iovcheva C, Tasheva B and Goldman RD (1988). Protein kinase activity associated with the nuclear lamina. PNAS (USA) 85:2994-2998.

Jones SM, Jones JCR and Goldman RD (1988). Fractionation of desmosomes and comparison of the polypeptide composition of desmosomes prepared from two bovine epithelial tissues. J Cell Biochem Mar;36(3):223-236. PMID: 2454237

Parysek LM and Goldman RD (1988). Distribution of a novel 57kDa intermediate filament (IF) protein in the nervous system. J Neurosci Feb;8(2):555-563. PMID: 3276833

Parysek LM, Chisholm RL, Ley CA and Goldman RD (1988). A Type III intermediate filament gene is expressed in mature neurons. Neuron Jul;1(5):395-401. PMID: 3272173

Dessev GN and Goldman RD (1988). Meiotic breakdown of nuclear envelope in oocytes of *Spisula solidissima* involves phosphorylation and release of nuclear lamin. Develop Biol 130: 543-550.

Vikstrom KL, Borisy GG and Goldman RD (1989). Dynamic aspects of intermediate filament networks in BHK-21 cells Proc Natl Acad Sci USA Jan;86(2):549-553. PMID: 2643116

Dessev GN, Palazzo R, Rebhun LI and Goldman RD (1989). Disassembly of the nuclear envelope of *Spisula* oocytes in a cell free system. Develop Biol 131:496-504.

Goldman RD and Dessev GN (1989). Intermediate Filaments: Problems and Perspectives. Proceedings on the International Conference on Wool and Hair Growth (ed. Rogers G). Chapman and Hill, London, pp. 87-95.

Chou YH, Rosevear ER and Goldman RD (1989). Phosphorylation and disassembly of intermediate filaments in mitotic cells. Proc Natl Acad Sci USA Mar; 86(6):1885-1889. PMID: 2648386 [

Goldman RD and Steinert PM (eds.) (1990). Cellular and Molecular Biology of Intermediate Filaments. Plenum Press, 479 pp.

Goldman RD, Zackroff RV and Steinert PM (1990). Intermediate Filaments: An Overview. in Cellular and Molecular Biology of Intermediate Filaments (eds. Goldman RD and Steinert PM). Plenum Publishing Corp., pp. 3-17.Yang HY, Lieska N and Goldman RD (1990). Intermediate Filament-Associated Proteins (IFAPs). In Cellular and Molecular Biology of Intermediate Filaments (ed. Goldman RD and Steinert PM). Plenum Publishing Corp., pp. 371-391.

Dessev GN, Iovcheva-Dessev C, and Goldman RD (1990). Lamin dimers: presence in the nuclear lamina of surf clam oocytes and release during nuclear envelope breakdown. J Biol Chem Jul 25;265(21):12636-12641. PMID: 2373705

Dessev GN and Goldman RD (1990). Effect of calcium on the stability of the vitelline envelope of surf clam oocytes. Biol Bull 178:210-216.

Dessev GN and Goldman RD (1990). The oocyte lamin persists as a single major component of the nuclear lamina during embryonic development of the surf clam. Int J Develop Biol 34: 267-274.

Chou YH, Bischoff JR, Beach D and Goldman RD (1990). Intermediate filament reorganization during mitosis is mediated by p34cdc2 phosphorylation of vimentin. Cell Sep 21;62(6):1063-1071. PMID: 2169348

Rosevear ER, McReynolds MA and Goldman RD (1990). Dynamic properties of intermediate filaments: disassembly and reassembly during mitosis in baby hamster kidney cells. Cell Motil Cytoskeleton 17:150-166. PMID: 2268873

Dessev GN, Iovcheva-Dessev C, Bischoff JR, Beach D and Goldman RD (1991). A complex containing p34cdc2 and cyclin B phosphorylates the nuclear lamin and disassembles nuclei of clam oocytes *in vitro*. J Cell Biol 112:523-533.

Vikstrom KL, Miller RK and Goldman RD (1991). Analyzing dynamic properties of intermediate filaments. in Molecular Motors and the Cytoskeleton: Methods in Enzymology (ed. Vallee RB), Chapter 42, 196:506-525. PMID: 1709715

Chou YH, Ngai KL and Goldman RD (1991). The regulation of intermediate filament reorganization in mitosis: p34cdc2 phosphorylates vimentin at a unique N-terminal site. J Biol Chem 266:7325-7328.

Miller RK, Vikstrom KR and Goldman RD (1991). Keratin incorporation into intermediate filament networks is a rapid process. J Cell Biol May 15;113:843-855. PMID: 1709167 PMCID: PMC2288995

Skalli O and Goldman RD (1991). Recent insights into the assembly, dynamics and function of intermediate filament networks. Cell Motil Cytoskeleton 19:67-79. PMID: 1878980

Pollard TD and Goldman RD (1991). Cytoplasm and Cell Motility. Editorial Overview. Curr Opin Cell Biol 3:1-3.

Yatsunami J, Fujiki H, Suganuma M, Yoshizawa S, Eriksson JE, Olson MOJ and Goldman RD (1991). Vimentin is hyperphosphorylated in primary human fibroblasts treated with okadaic acid. Biochem Biophys Res Comm 177(3):1165-1170. PMID: 1647766

Parysek LM, McReynolds MA, Goldman RD and Ley CA (1991). Some neural intermediate filaments contain both peripherin and the neurofilament proteins. J Neurosci Res Sep;30(1):80-91. PMID: 1795409

Goldman RD, Chou YH, Dessev GN, Iacheva-Dessev C, Eriksson JE, Goldman AE, Khuon S, Kohnken R, Lowy M, Murphy K, Skalli O, Opal P, Miller RK and Straube K (1991). Dynamic aspects of cytoskeletal and karyoskeletal intermediate filament systems during the cell cycle. in The Cell Cycle. Cold Spring Harb Symp Quant Biol, Vol. LVI:629-642. PMID: 1819512

Yang HY, Lieska N, Goldman RD, Johnson-Seaton D and Pappas G (1992). Distinct developmental subtypes of cultured non-stellate rat astrocytes distinguished by a new glial intermediate filament-associated protein. Brain Res Feb 21;573(1):161-168. PMID: 1576532

Pollard TD and Goldman RD (editorial overview)(1992). Cytoplasm and Cell Motility. Editorial Overview. Curr Opin Cell Biol 4:1-3.

Eriksson JE, Opal P and Goldman RD (1992). Intermediate filament dynamics. Curr Opin Cell Biol Feb;4(1):99-104. PMID: 1558758

Vikstrom KL, Lim SS, Goldman RD and Borisy GG (1992). Steady state dynamics of intermediate filament networks. J Cell Biol Jul;118(1):121-129. PMID: 1618899 PMCID: PMC2289530

Yang H-Y, Lieska N, Goldman AE and Goldman RD (1992). Colchicine-sensitive and colchicine-insensitive intermediate filament systems distinguished by a new intermediate filament-associated protein, IFAP-70/280kD. Cell Motil Cytoskeleton 22(3):185-199. PMID: 1423664

Skalli O, Chou YH and Goldman RD (1992). Intermediate filaments: not so tough after all. Trends Cell Biol Oct;2(10):308-312. PMID: 14731927

Goldman AE, Moir RD, Montag-Lowy M, Stewart M and Goldman RD (1992). Pathway of incorporation of microinjected lamin A into the nuclear envelope. J Cell Biol Nov;119(4):725-735. PMID: 1429833 PMCID: PMC2289687

Eriksson JE, Brautigan DL, Vallee R, Olmsted J, Fujiki H and Goldman RD (1992). Cytoskeletal integrity in interphase cells requires protein phosphatase activity. Proc Natl Acad Sci USA Nov 15;89(22):11093-11097. PMID: 1332069 PMCID: PMC50490

Skalli O, Chou YH and Goldman RD (1992). Cell cycle-dependent changes in the organization of an intermediate filament-associated protein: correlation with phosphorylation by p34cdc2. Proc Natl Acad Sci USA Dec 15;89(24):11959-11963. PMID: 1281546 PMCID: PMC50677

Eriksson JE and Goldman RD (1993). Protein phosphatase inhibitors alter cytoskeletal structure and cellular morphology. Adv Prot Phosphatases 7:335-357.

Miller RK, Khuon S and Goldman RD (1993). Dynamics of keratin assembly: exogenous type I keratin rapidly associates with Type II keratin *in vivo.*  J Cell Biol Jul:122(1):123-35. PMID: 7686161 PMCID: PMC2119605

Moir RD and Goldman RD (1993). Lamin dynamics (ed. Evans R and Newport J). Curr Opin Cell Biol Jun;5(3):408-411. PMID: 8352956

Goldman RD (1993). Introduction: Porter and the Fine Architecture of Dividing Cells (Introduction). The Biological Century: Friday Evening Talks at the Marine Biological Laboratory (ed. Barlow R, Dowling J and Weissman G). Harvard Press.

Skalli O, Jones JCR, Gagescu R and Goldman RD (1994). IFAP 300 is common to desmosomes and hemidesmosomes and is a possible linker of intermediate filaments to these junctions. J Cell Biol Apr;125(1):59-170. PMID: 8138568 PMCID: PMC2120004

Moir RD, Montag-Lowy M and Goldman RD (1994). Dynamic properties of nuclear lamins: lamin B is associated with sites of DNA replication. J Cell Biol Jun;125(6):1201-1212. PMID: 7911470 PMCID: PMC2290916

Trejo-Skalli AV, Velasco PT, Murthy SN, Lorand L and Goldman RD (1995). Association of a transglutaminase-related antigen with intermediate filaments. Proc Natl Acad Sci USA Sep 12;92(19):8940-8944. PMID: 7568048 PMCID: PMC41083

Lazebnik YA, Takahashi A, Moir RD, Goldman RD, Poirier GG, Kaufman SH and Earnshaw WC (1995). Studies of the lamin proteinase reveal multiple parallel biochemical pathways during apoptotic execution. Proc Natl Acad Sci USA Sep 26;92(20):9042-9046. PMID: 7568069 PMCID: PMC40920

Moir RD, Spann TP and Goldman RD (1995). The dynamic properties and possible functions of nuclear lamins. Intl Rev Cytol 162B:141-182. Review. PMID: 8557486

Chou YH, Opal P, Quinlan RA and Goldman RD (1996). The relative roles of specific N- and C-terminal phosphorylation sites in the disassembly of intermediate filament in mitotic BHK-21 cells. J Cell Sci Apr;109(Pt4):817-826. PMID: 8718673

Takahashi A, Alnemri ES, Lazebnik YA, Fernandes-Alnemri T, Litwack G, Moir RD, Goldman RD, Poirier GG, Kaufmann SH and Earnshaw WC (1996). Cleavage of lamin A by Mch2α but not CPP32: multiple interleukin 1beta-converting enzyme-related proteases with distinct substrate recognition properties are active in apoptosis. Proc Natl Acad Sci USA Aug 6;93(16):8395-8400. PMID: 8710882 PMCID: PMC38682

Goldman RD, Khuon S, Chou YH, Opal P and Steinert PM (1996). The function of intermediate filaments in cell shape and cytoskeletal integrity. J Cell Biol Aug;134(4):971-983. PMID: 8769421 PMCID: PMC2120965

Straube-West K, Loomis PA, Opal P and Goldman RD (1996). Alterations in neural intermediate filament organization: functional implications and the induction of pathological changes relating to motor neuron disease. J Cell Sci Sep;10(Pt9):2319-2329. PMID: 8886982

Chou YH, Skalli O and Goldman RD (1997). Intermediate filaments and cytoplasmic networking: new connections and more functions. Curr Opin Cell Biol Feb;9(1):49-53. PMID: 9013676

Toivola DM, Goldman RD, Garrod DR and Eriksson JE (1997). Protein phosphatases maintain the organization and structural interactions of hepatic keratin intermediate filaments. J Cell Sci Jan;110(Pt1):23-33. PMID: 9010781

Takahashi A, Alnemri ES, Fernandes-Alnemri T, Lazebnik YA, Moir RD, Goldman RD, Poirier GG, Kaufmann SH and Earnshaw WC (1997). Biochemical dissection of nuclear events in aptosis. in Cell Cycle Regulation (ed. Ruffolo RR, Jr., Poste G and Metcalf BW). Harwood Academic Publishers, the Netherlands, pp. 131-149.

Spann TP, Moir RD, Goldman AE, Stick R and Goldman RD (1997). Disruption of nuclear lamin organization alters the distribution of replication factors and inhibits DNA synthesis. J Cell Biol Mar 24;136(6):1201-1212. PMID: 9087437 PMCID: PMC2132512

Baker SE, Skalli O, Goldman RD and Jones JCR (1997). Laminin-5 and modulation of keratin cytoskeleton arrangement in FG pancreatic carcinoma cells: involvement of IFAP300 and evidence that laminin-5/cell interactions correlate with a dephosphorylation of alpha 6A integrin. Cell Motil Cytoskel 37(3):271-286. PMID: 9227857

Clement S, Trejo-Skalli AV, Gu L, Velasco PT, Lorand L and Goldman RD (1997). A transglutaminase-related antigen associates with keratin filaments in some mouse epidermal cells. J Investig Dermatol Dec;109:778-782. PMID: 9406820

Spector DL, Goldman RD and Leinwand L (eds) (1997). Cells: A Laboratory Manual, Volume 1-3. Cold Spring Harbor Laboratory Press, 2100 pp.

Clement S, Velasco PT, Murthy PSN, Wilson JH, Lukas T, Goldman RD and Lorand L (1998). The intermediate filament protein, vimentin, in the lens is a target for cross-linking by transglutaminase. J Biol Chem Mar 27;273(13):7604-7609 PMID: 9516464

Goldman RD, Clement S, Khuon S, Moir RD, Trejo-Skalli AV and Yoon M (1998). Intermediate filament cytoskeletal system: dynamic and mechanical properties. Biol Bull Jun;194(3): 361-363. PMID: 9664663

Jones JCR, Skalli O, Goldman RD and Baker SE (1998). What links laminin-5 to the keratin cytoskeleton in epithelial cells? Biol Bull Jun;194(3):371-373. PMID: 9664666

Goldman RD (1998). Concluding Remarks. Workshop: The Cytoskeleton: Mechanical, Physical and Biological Interactions. Biol Bull 194:411.

Loomis PA and Goldman RD (1998). Neural intermediate filament systems. Encyclop. of Neuroscience, second revised edition (ed. Adelman G and Smith BH), pp.1313-1316.

Goldman RD, Goldman AE, Khuon S, Moir RD and Spann TP (1998). Nuclear lamins: dynamic components of nuclear architecture. Electron Microscopy 1998. Paper presented at ICEM 14, Cancun, Mexico. Symposium TT. Volume IV:676-768 (cd-rom).

Prahlad V, Yoon M, Moir RD, Vale RD and Goldman RD (1998). Rapid movements of vimentin on microtubule tracks: kinesin-dependent assembly of intermediate filament networks. J Cell Biol 143:159-170. PMID: 9763428 PMCID: PMC213817

Yoon M, Moir RD, Prahlad V and Goldman RD (1998). Motile properties of vimentin intermediate filament networks in living cells. J Cell Biol Oct 5;143(1):147-157. PMID: 9763427 PMCID: PMC2132819

Goldman RD, Baccetti B, Collodel G, Gambera L, Moretti E and Piomboni P (1998). Localization of lamins in mammalian spermatozoa. J Submicrosc Cytol Pathol Oct;30(1):573-580. PMID: 9851065

Steinert PM, Chou YH, Prahlad V, Parry DAD, Marekov L, Wu K, Jang SI and Goldman RD (1999). A high molecular weight intermediate filament-associated protein in BHK-21 cells is nestin, a Type VI intermediate filament protein. J Biol Chem Apr 2;274(14):9881-9890. PMID: 10092680

Goldman RD and Chou YH (1999). Intermediate filaments and their associated proteins (Part 3. Introduction). Guidebook to the Cytoskeletal and Motor Proteins, second edition (ed. Kreis T and Vale R), Oxford University Press, p. 281-284.

Moir RD, Spann TP and Goldman RD (1999). The nuclear lamins: Type V intermediate filaments. in Guidebook to the Cytoskeletal and Motor Proteins (ed. Kreis T and Vale R), second edition. Oxford University Press, p. 317-320.

Chou YH and Goldman RD (1999). Vimentin. in Guidebook to the Cytoskeletal and Motor Proteins, second edition (ed. Kreis T and Vale R), Oxford University Press, p. 324-326.

Correia I, Chu D, Chou YH, Goldman RD and Matsudaira P (1999). Integrating the actin and vimentin cytoskeletons: adhesion-dependent formation of fimbrin-vimentin complexes in macrophages. J Cell Biol Aug 23;146(4):831-842. PMID: 10459017 PMCID: PMC2156141

Goldman RD, Chou YH, Prahlad V and Yoon M (1999). Intermediate filaments: dynamic processes regulating their assembly, motility, and interactions with other cytoskeletal systems. FASEB J Dec;13:Suppl 2:S261-S265. PMID: 10619140

Helmke BP, Goldman RD and Davies PF (2000). Rapid displacement of vimentin intermediate filaments in living endothelial cells exposed to flow. Circ Res. 2000 Apr 14;86(7):745-52.PMID: 10764407

Moir RD, Spann TP, Lopez-Soler RI, Yoon M, Goldman AE, Khuon S and Goldman RD (2000). Review: The dynamics of the nuclear lamins during the cell cycle: relationship between structure and function. Special Issue, J Struct Biol Apr;129(2-3):324-334. PMID: 10806083

Moir RD, Spann TP, Herrmann H and Goldman RD (2000). Disruption of nuclear lamin organization blocks the elongation phase of DNA replication. J Cell Biol Jun 12;149(6):1179-1192. PMID: 10851016 PMCID: PMC2175110

Clubb BH, Chou YH, Herrmann H, Svitkina TM, Borisy GG and Goldman RD (2000). The 300kDa intermediate filament-associated protein (IFAP300) is a hamster plectin ortholog. Biochem Biophys Res Commun Jun 24;273(1):183-187. PMID: 10873583

Chou YH and Goldman RD (2000). Mini-Review. Intermediate filaments on the move. J Cell Biol Aug 7;150(3):F101-F106. PMID: 10931880

Prahlad V, Helfand BT, Langford GM, Vale RD and Goldman RD (2000). Fast transport of neurofilament protein along microtubules in squid axoplasm. J Cell Sci Nov;113(Pt22):3939-3946. PMID: 11058081

Moir RD, Yoon M, Khuon S and Goldman RD (2000). Nuclear lamins A and B1: different pathways of assembly during nuclear envelope formation in living cells. J Cell Biol Dec 11;151(6):1155-1168. PMID: 11121432 PMCID: PMC2190592

Goldman RD (2000). Antibodies: indispensible tools for biomedical research. Trends Biochem Sci Dec; 25(12):593-595. PMID: 11116184

Helmke BP, Thakker DB, Goldman RD and Davies PF (2001). Spatiotemporal analysis of flow-induced intermediate filament displacement in living endothelial cells. Biophys J Jan;80(1):184-194. PMID: 11159394 PMCID: PMC1301225

Chou YH, Helfand BT and Goldman RD (2001). New horizons in cytoskeletal dynamics: transport of intermediate filaments along microtubule tracks. Curr Opin Cell Biol Feb;13(1):1106-1109. PMID: 11163141

Gonzales M, Weksler B, Tsuruta D, Goldman RD, Yoon KJ, Hopkinson SB, Flitney FW and Jones JCR (2001). Structure and function of a vimentin-associated matrix adhesion in endothelial cells. Mol Biol Cell Jan;12(1):85-100. PMID: 11160825 PMCID: PMC30570

Yoon KH, Yoon M, Moir RD, Khuon S, Flitney FW and Goldman RD (2001). Insights into the dynamic properties of keratin intermediate filaments in living epithelial cells. J Cell Biol Apr 30;153(3):503-516. PMID: 11331302 PMCID: PMC2190576

Wilson KL, Benavente R, Burke B, Craigie R, Foisner R, Furukawa K, Gerace L, Goldman RD,

Gruenbaum Y, Harris C, Hutchison CJ, Krohne G, Morris GE, Otto H, Simon AJ and Worman HJ (2001). Problems with LAP nomenclature. Nat Cell Biol. 2001 Apr;3(4):E90. Letter to the editor. PMID: 11283624.

Sahlgren CM, Mikhailov A, Chou YH, Lendahl U, Goldman RD and Eriksson JA (2001). Mitotic reorganization of the intermediate filament protein nestin involves phosphorylation by cdc2 kinase. J Biol Chem May 11;276(19):16456-16463. PMID: 11278541

Sahlgren CM, Mikhailov A, Chou YH, Lendahl U, Goldman RD and Eriksson JA (2001). Mitotic reorganization of the intermediate filament protein nestin involves phosphorylation by cdc2 kinase. J Biol Chem May 11;276(19):16456-16463. PMID: 11278541

Lopez-Soler RI, Moir RD, Spann TP, Stick R and Goldman RD (2001). A role for nuclear lamins in nuclear envelope assembly. J Cell Biol Jul 9;154(1):61-70. PMID: 11448990 PMCID: PMC2196852

de Noronha CM, Sherman MP, Lin HW, Cavrois MV, Moir RD, Goldman RD and Greene WC (2001). Dynamic disruptions in nuclear envelope architecture and integrity induced by HIV-1 Vpr. Science Nov 2;294(5544):1105-1108. PMID: 11691994

Goldman RD (2001). Commentary: Worms reveal essential functions for intermediate filaments. Proc Natl Acad Sci USA Jul 3;98(14):7659-7661. PMID: 11438720 PMCID: PMC35397

Spann TP, Goldman AE, Wang C, Huang S and Goldman RD (2002). Alteration of nuclear lamin organization inhibits RNA polymerase II-dependent transcription. J Cell Biol Feb 18;156(4):603-608. Feb 12: Epub. PMID: 11854306 PMCID: PMC2174089

Goldman RD, Gruenbaum Y, Moir RD, Shumaker DK and Spann TP (2002). Review. Nuclear lamins: building blocks of nuclear architecture. Genes Dev Mar 1;16(5):533-547. PMID: 11877373

Tsuruta D, Gonzales M, Hopkinson SB, Otey C, Khuon S, Goldman RD and Jones JCR (2002). Microfilament-dependent movement of the beta3 integrin subunit within focal contacts of endothelial cells. FASEB J Jun;16(8):866-868. PMID: 11967230

Helfand BT, Mikami A, Valle RB and Goldman RD (2002). A requirement for cytoplasmic dynein and dynactin in intermediate filament assembly and organization. J Cell Biol May 27;157(5):795-806. PMID: 12034772 PMCID: PMC2173407

Ghosh S, Munshi HG, Sen R, Linz-McGillem LA, Goldman RD, Lorch J, Green KJ, Jones JCR and Stack MS (2002). Loss of adhesion-regulated proteinase production is correlated with invasive activity and cytoskeletal alterations in oral squamous cell carcinoma. Intl J Cancer Dec 15;95(12):2524-2433. PMID 12467066

Chou YH, Khuon S, Herrmann H and Goldman RD (2003). Nestin promotes the phosphorylation-dependent disassembly of vimentin intermediate filaments during mitosis. Mol Biol Cell Apr;14(4):1468-1478. PMID 12686602 PMCID: PMC153115

Shumaker DK, Kuczmarski ER and Goldman RD (2003). Invited Review. The Nucleoskeleton: lamins and actin are major players in essential nuclear functions. Curr Opin Cell Biol Jun;15(3):358-366. PMID 12787780

Helfand BT, Loomis PA, Yoon M and Goldman RD (2003). Rapid transport of neural intermediate filament protein. J Cell Sci Jun 1;116(Pt16):2345-2359. PMID 12711702

Helfand BT, Chang L and Goldman RD (2003). Invited Review. The dynamic and motile properties of intermediate filaments. Annl Rev Cell Dev Biol 19:445-467. PMID 14570577

Gruenbaum Y, Goldman RD, Meyuhas R, Milles E, Margalit A, Fridkin A, Dayani Y, Prokocimer M and Enosh A (2003). Invited Review.The Nuclear lamina and its functions in the nucleus. Intl Rev Cytol 226:1-62. PMID 12921235

Helfand BT, Mendez MG, Pugh J, Delsert C and Goldman RD (2003). A role for intermediate filaments in determining and maintaining the shape of nerve cells. Mol Biol Cell Dec;14(12):5069-5081. PMID 14595112 PMCID: PMC284808

Helfand BT, Chang L and Goldman RD (2004). Invited Review. Intermediate filaments are dynamic and motile elements of cellular architecture. J Cell Sci Jan 15;117(Pt2):133-141. PMID 14676269

Eriksson JE, He T, Trejo-Skalli AV, Harmala-Brasken AS, Hellman J, Chou YH and Goldman RD (2004). Specific *in vivo* phosphorylation sites determine the assembly dynamics of vimentin intermediate filaments. J Cell Sci Feb 29;117(Pt6):919-932. PMID 14762106

Shea TB, Yabe JT, Ortiz D, Pimenta A, Loomis PA, Goldman RD, Amin N and Pant HC (2004). Cdk5 regulates axonal transport and phosphorylation of neurofilaments in cultured neurons. J Cell Sci Feb 29;117(Pt6):933-941. PMID 14762105

Goldman RD and Spector DL, eds. (2004). Live Cell Imaging: A Laboratory Manual. Cold Spring Harbor Laboratory Press. 631 pgs.

Kuczmarski ER and Goldman RD (2004). Imaging Intermediate Filament Proteins in Living Cells. in Live Cell Imaging: A Laboratory Manual (ed. Goldman RD and Spector DL). Cold Spring Harbor Laboratory Press, p. 523-535.

Spector DL and Goldman RD (2004). Constructing and Expressing GFP Fusion Proteins *in* Live Cell Imaging: A Laboratory Manual (ed. Goldman RD and Spector DL). Cold Spring Harbor Laboratory Press, p. 25-31.

Chang L and Goldman RD (2004). Intermediate filaments mediate cytoskeletal crosstalk. Nat Rev Mol Cell Biol Aug;5(8):601-613. PMID 15366704

Flitney FW and Goldman RD (2004). Fluorescence-based methods for studying intermediate filaments. Methods Cell Biol (ed. Omary B and Coulombe P). 78:297-319. PMID 15646623

Goldman RD, Shumaker DK, Erdos MR, Eriksson M, Goldman AE, Gordon LB, Gruenbaum Y, Khuon S, Mendez MG, Varga R and Collins FS (2004). Accumulation of mutant lamin A causes progressive changes in nuclear architecture in Hutchinson-Gilford progeria syndrome. Proc Natl Acad Sci Jun 15;101(24):8963-8968. PMID 15184648 PMCID: PMC428455

Gruenbaum Y, Margalit A, Goldman RD, Shumaker DK and Wilson KL (2005). The nuclear lamina comes of age. Nat Rev Mol Cell Biol Jan;6(1):21-31. PMID 15688064

Goldman RD (2005). Chair’s Introduction. in Nuclear Organization in Development and Disease, Novartis Foundation Symposium 264. John Wiley & Sons, p. 1-2.

Goldman RD, Goldman AE and Shumaker DK (2005). Nuclear Lamins: Building Blocks of Nuclear Structure and Function. in Nuclear Organization in Development and Disease, Novartis Foundation Symposium 264. John Wiley & Sons, p. 3-21. PMID 15773744

Goldman RD (2005). Chair’s Summing Up. in Nuclear Organization in Development and Disease, Novartis Foundation Symposium 264. John Wiley & Sons, p. 279-280.

Shumaker DK, Lopez-Soler RI, Adam SA, Herrmann H, Moir RD, Spann TP and Goldman RD (2005). Functions and dysfunctions of the nuclear lamin lg-fold domain in nuclear assembly, growth and Emery-Dreifuss muscular dystrophy. Proc Natl Acad Sci USA Oct 25;102(43):15494-15499. PMID 16227433 PMCID: PMC125573

Ridge KM, Linz L, Flitney FW, Kuczmarski ER, Chou YH, Omary MB, Sznajder JI and Goldman RD (2005). Keratin 8 phosphorylation by protein kinase C delta regulates shear stress-mediated disassembly of keratin intermediate filaments in alveolar epithelial cells. J Biol Chem Aug 26;280(34):30400-30405. PMID 15972820

Spector DL and Goldman RD (2005). Basic Methods in Microscopy. Cold Spring Harbor Laboratory Press.

Helfand BT, Chou YH, Shumaker DK and Goldman RD (2005). Intermediate filament proteins participate in signal transduction. Trends Cell Biol Nov;15(11):568-570. PMID 16213139

Godsel LM, Hsieh SN, Amargo EV, Bass AE, Pascoe-McGillicuddy LT, Huen AC, Thorne ME, Gaudry CA, Park JK, Myung KH, Goldman RD, Chew TL and Green KJ (2005). Desmoplakin assembly dynamics in four dimensions: multiple phases differentially regulated by intermediate filaments and actin. J Cell Biol Dec 19;171(6):1045-59. PMID 16365169 PMCID: PMC2171300

Chang L, Shav-Tal Y, Trcek R, Singer RH and Goldman RD (2006). Assembling an intermediate filament network by dynamic cotranslation. J Cell Biol Feb 27;172(5):747-758. PMID 16505169 PMCID: PMC2063706

Tsai MY, Wang S, Heidinger JM, Shumaker DK, Adam SA, Goldman RD and Zheng Y (2006). A mitotic lamin B matrix induced by RanGTP required for spindle assembly. Science Mar 31;311(5769):1887-93. PMID 16543417

Mattout A, Dechat T, Adam SA, Goldman RD and Gruenbaum Y (2006). Nuclear lamins, diseases and aging. Curr Opin Cell Biol Jun;18(3):335-341. PMID 16632339

Hillberg L, Zhao Rathje LS, Nyakern-Meazza M, Helfand BT, Goldman RD, Schutt CE and Lindberg U (2006). Tropomyosins are present in lamellipodia of motile cells. Eur J Cell Biol May;85(5):399-409. PMID 16524642

Shumaker DK, Dechat T, Kohlmaier A, Adam SA, Bozovsky MR, Erdos MR, Eriksson JE, Goldman AE, Khuon S, Collins FS, Jenuwein T and Goldman RD (2006). Mutant nuclear lamin A leads to progressive alterations of epigenetic control in premature aging. Proc Natl Acad Sci USA Jun 6;103(23):8703-8708. PMID 16730854 PMCID: PMC1472659

Sahlgren CM, Pallari HM, He T, Chou, YH, Goldman RD and Eriksson JE (2006). A nestin scaffold links Cdk5/p35 signaling to oxidant-induced cell death. EMBO J Oct 18;25(20):4808-4819. PMID 17036052 PMCID: PMC1618100

Kural D, Serpinskaya AS, Chou YH, Goldman RD, Gelfand VI and Selvin PR (2007). Tracking melanosomes inside a cell to study their molecular motors and their interaction. Proc Natl Acad Sci USA Mar 27:104(13):5378-5382. PMID 17369356 PMCID: PMC1838505

Dechat T, Shimi T, Adam SA, Rusinol A, Andres DA, Spielmann HP, Sinensky MS and Goldman RD (2007). Alterations in mitosis and cell cycle progression caused by a mutant lamin A known to accelerate human aging. Proc Natl Acad Sci USA Mar 20;104(12):4955-4960. PMID 17360326 PMCID: PMC1829246

Chou YH, Flitney FW, Chang L, Mendez MG, Grin B and Goldman RD (2007). The Motility and dynamic properties of intermediate filaments and their constituent proteins. Exp Cell Res Jun 10;313(10):2236-43. PMID 17498691

Kuczmarski ER and Goldman RD (2007). Purification of bovine lens and bacterially expressed human vimentin. CSHL Protocols. Feb 1;2007:pdb.prot4675. doi: 10.1101/pdb.prot4675. PMID: 21357021

Kuczmarski ER and Goldman RD (2007). Preparation and microinjection of

x-Rhodamine-labeled human vimentin. CSHL Protocols. Feb 1;2007:pdb.prot4676.

doi: 10.1101/pdb.prot4676. PMID: 21357022

Sivaramakrishnan SI, DeGiulio JV, Lorand L, Goldman RD and Ridge KM (2008). Micromechanical properties of keratin intermediate filament networks. Proc Natl Acad Sci USA Jan 22;105(3):889-894. PMID 18199836 PMCID: PMC2242724

Goldman RD, Grin B, Mendez MG and Kuczmarski ER (2008). Intermediate filaments: versatile building blocks of cell structure. Curr Opin Cell Biol Feb;20(1):28-34. PMID 18178072

Adam SA, Sengupta K and Goldman RD (2008). Regulation of nuclear lamin polymerization by importin alpha. J Biol Chem Mar 28;283(13):8462-8468. PMID 18227062 PMCID: PMC2417177

Shumaker DK, Solimando L, Sengupta K, Shimi T, Adam SA, Grunwald A, Strelkov SV, Aebi U, Cardoso MC and Goldman RD (2008). The highly conserved nuclear lamin Ig-fold binds to PCNA: its role in DNA replication. J Cell Biol Apr 21;181(2):269-80. PMID 18426975 PMCID: PMC2315674

Dechat T, Pfleghaar K, Sengupta K, Shimi S, Shumaker DK, Solimando L and Goldman RD (2008). Nuclear lamins: major factors in the structural organization and function of the nucleus and chromatin. Genes Dev Apr 1;22(7):832-853. Review. PMID 18381888 PMCID: PMC2732390

Jaitovich A, Mehta SB, Ciechanover A, Goldman RD and Ridge KM (2008) Ubiquitin-proteasome-mediated degradation of keratin intermediate filaments in mechanically stimulated A549 cells.  J Biol Chem Sep 12;283(37):25348-25355.. PMID 18617517 PMCID: PMC2533078

Shimi T, Pfleghaar K, Kojima SI, Pack CG, Solovei I, Goldman AE, Adam SA, Shumaker DK, Kinjo M, Cremer T and Goldman RD. (2008) The A- and B-type nuclear lamin networks: microdomains involved in chromatin organization and transcription. Genes Dev Dec 15;22(24):3409-3421. PMID 19141474 PMCID: PMC2607069

Lindberg U, Schutt CE, Goldman RD, Nyakern-Meazza M, Hillberg L, Rathje LS and Grenklo S. (2008) Review. Tropomyosins regulate the impact of actin binding proteins on actin filaments. Adv Exp Med Biol 644:223-231. PMID 19209825

Bhattacharya R, Gonzalez AM, DeBiase, Trejo HE, Goldman RD, Flitney FW and Jones JCR. (2009) Recruitment of vimentin to the cell surface by beta3 integrin and plectin mediates adhesion strength. J Cell Sci 2009 May 1;22(Pt 9):1390-1400. PMID 19366731 PMCID: PMC2721003

Eriksson JE, Dechat T, Grin B, Helfand B, Mendez M, Pallari H-M and Goldman RD. (2009) Introducing intermediate filaments: from discovery to disease. Invited Review. J Clin Invest 2009 Jul;119(7):1763-1771. PMID19587451 PMCID: PMC2701876

Chang C, Barlan K, Chou Y-H, Grin B, Lakonishok M, Serpinskaya AS, Shumaker DK, Herrmann H, Gelfand VI and Goldman RD. (2009) The dynamic properties of intermediate filaments during organelle transport. Jour Cell Sci Aug 15;122(Pt 16):2914-2923. PMID 19638410 PMCID: PMC2724608

Flitney FW, Kuczmarski ER, Adam SA and Goldman RD. (2009) Insights into the mechanical properties of epithelial cells: the effects of shear stress on the assembly and remodeling of keratin intermediate filaments. FASEB J 2009 Jul;23(7):2110-9. Epub 2009 Feb 26. PMID 19246484 PMCID: PMC2704593

Sivaramakrishnan S, Schneider JL, Sitikov A, Goldman RD and Ridge KM. (2009) Shear stress induced reorganization of the keratin intermediate filament network requires phosphorylation by protein kinase C zeta. Mol Biol Cell Jun;20(11)2755-2765. PMID 19357195 PMCID: PMC2688554

Dechat T, Adam SA, and Goldman RD. (2009) Nuclear lamins and chromatin: when structure meets function. Adv Enzyme Regul 49(1):157-166. PMID 19154754

Goldman RD, Spector D and Swedlow J editors. (2009) Live Cell Imaging: A Laboratory Manual, 2nd edition. Cold Spring Harbor Press.

Spector DL and Goldman RD. (2009) Constructing and Expressing Fluorescent Protein Fusions.  *in* Live Cell Imaging: A Laboratory Manual, 2nd edition. Cold Spring Harbor Laboratory Press.

Kuczmarski ER, Shimi T and Goldman RD. (2009) Imaging Intermediate Filament Proteins in Living Cells. *in* Live Cell Imaging: A Laboratory Manual, 2nd edition. Cold Spring Harbor Laboratory Press.

Chou YH, Kuo WL, Rosner MR, Tang WJ and Goldman RD. (2009) Structural changes in intermediate filament networks alter the distribution and activity of insulin degrading enzyme. FASEB J Jul 7: Epub. PMID 19584300 PMCID: PMC2775012

Taimen P, Pfleghaar K, Shimi T, Möller D, Ben-Harush K, Erdos M, Adam SA, Herrmann H, Medalia O, Collins FS, Goldman AE and Goldman RD. (2009) A progeria mutation reveals functions for lamin A in nuclear assembly, architecture and chromosome organization. Proc Natl Acad Sci USA Dec 8;106(49):20788-20793 PMID 19926845 PMCID: 2779830

Mendez M, Kojima SI and Goldman RD. (2010) Vimentin induces changes in cell shape, motility and adhesion during the epithelial to mesenchymal transition. FASEB J Jun;24(6):1838-1851. Jan 22: Epub. PMID 20097873 PMCID: PMC2874471

Dechat T, Adam SA, Taimen P, Shimi T and Goldman RD. (2010) Nuclear Lamins *in* The Nucleus (edited by Misteli T and Spector D). Cold Spring Harb Perspect Biol Nov;2(11):a000547. Sep 8: Epub. PMID 20826548

Spector DL and Goldman RD (2010) Constructing and expressing fluorescent protein fusions. Cold Spring Harb Proto Nov 1;2010(11):pdb.top87. doi:10.1101/pdb.top87. PMID 21041402

Spector DL and Goldman RD (2010) Transfection of mammalian cells with fluorescent protein fusions. Cold Spring Harb Proto Nov 1;2010(11):pdb.prot5517. doi:10:1101/pdb.prot5517. PMID 21041390

Schoumacher M, Goldman RD, Louvard D and Vignjevic DN. (2010) Actin, microtubules and vimentin intermediate filaments cooperate for elongation of invadopodia. J Cell Biol May 3;189(3): 541-556. Apr 26: Epub. PMID 20421424 PMCID: PMC2867303

Helfand BT, Mendez MG, Murthy PSN, Shumaker DK, Grin B, Aebi U, Wedig T, Wu YI, Hahn KM, Inagaki M, Herrmann H and Goldman RD (2011) Vimentin organization modulates the formation of lamellipodia. Mol Biol Cell Apr;22(8):1274-1289. Feb 23: Epub. PMID 21346197 PMCID: 3078081

Ralat LA, Kalas V, Zheng ZZ, Goldman RD, Sosnick TR and Tang WJ (2011) Ubiquitin is a novel substrate for human insulin-degrading enzyme. J Mol Biol. Feb 25;406(3):454-466. 2010 Dec 23: Epub. PMID 21185309 PMCID: PMC3064465

Shimi T, Butin-Israeli V, Adam SA and Goldman RD (2011) Nuclear Lamins in Cell Regulation and Disease *in* Cold Spring Harb Symp Quant Biol. Volume LXXV. Cold Spring Harbor Laboratory Press 75:525-531. Apr 5: Epub. PMID 21467145

Nekrasova, OE, Mendez, M.G., Chernoivanenko, I.S., Tyurin-Kuzmin, P.A., Kuczmarski, E.R., Gelfand, V.I., Goldman, R.D., Minin, A.A. (2011) Vimentin intermediate filaments modulate the motility of mitochondria. Mol Biol Cell Jul;22(13):2282-2289. May 11: Epub. PMID: 21562225 PMCID: PMC3128530

Butin-Israeli V, Ben-nun-Shaul O, Kpatz I, Adam SA, Shimi T, Goldman RD and Oppenheim A. (2011) Simian virus 40 induces lamin A/C fluctuations and nuclear envelope deformation during cell entry. Nucleus Jul/Aug 2(4):320-330. Jul 1: Epub. PMID 21941111 PMCID: PMC 3260569

Shimi T, Butin-Israeli V, Adam SA, Hamanak RB, Goldman AE, Lucas CA, Shumaker DK, Kosak ST, Chandel NS and Goldman RD. (2011) The role of nuclear lamin B1 in cell proliferation and senescence. Genes Dev Dec 15;25(24):2579-2593. Dec 8: Epub. PMID: 22155925 PMCID: PMC3248680

Adam SA and Goldman RD. (2011) Insights into the differences between the A- and B-type nuclear lamins. Adv Enzyme Reg Nov 18: Epub ahead of print. PMID: 22119859 PMCID: PMC3560317

Goldman RD, Cleland MM, Murthy PSN, Mahammad S and Kuczmarski ER. (2012) Inroads into the structure and function of intermediate filament networks. J Struct Biol 2012 Jan;177(1):14-23. 2011 Nov 18: Epub. PMID: 22120848 PMCID: PMC3269975

Shimi T, Butin-Israeli V and Goldman RD. (2012) The roles of the nuclear envelope in mediating the molecular crosstalk between the nucleus and the cytoplasm. Curr Opin Cell Biol Feb;24(1):71-78. 2011 Dec 20: Epub. PMID: 22192274 PMCID: PMC3339630

Butin-Israeli V, Adam SA, Goldman AE and Goldman RD. (2012) Nuclear lamin functions and disease. Trends in Genetics 2012 Sep;28(9):464-471. Jul 11: Epub. PMID: 22795640 PMCID: PMC3633455

Grin B, Mahammad S, Wedig T, Cleland MM, Tsai L, Herrmann H and Goldman RD. (2012) Withaferin A alters intermediate filament organization, cell shape and behavior. PLoS One Public Library of Science. 2012;7(6):e39065. doi:10.13.17/journal.pone.0039065. June 15: Epub. PMID: 2270028 PMCID: PMC3376126

Mahammad S, Murthy PSN, Didonna A, Grin B, Israeli E, Perrot R, Bomont P, Julien JP, Kuczmarski E, Opal P and Goldman RD. (2013) Giant axonal neuropathy-associated gigaxonin mutations impair intermediate filament protein degradation. Journal of Clinical Investigation May 1;123(5):1964-1975. Apr 15: Epub. doi: 1172/JCI66387. PMID: 23585478 PMCID: PMC3635735

Funkhauser CM, Sknepnek R, Shimi T, Goldman AE, Goldman RD and Olvera de la Cruz M. (2013) Mechanical model of blebbing in nuclear lamin meshworks. Proceeeding of the National Academies of Science USA Feb 26;110(9):3248-3253 doi: 10.1073/pnas.1300215110. Feb 11: Epub. PMID: 23401537. PMCID: PMC3587257

Adam SA, Butin-Israeli V, Cleland MM, Shimi T and Goldman RD. (2013) Disruption of lamin B1 and B2 processing and localization by farnesyltransferase inhibitors. Nucleus Mar-Apr;4(2):142-150. doi: 10:4161/nucl.24089. Mar 1: Epub. PMID: 23475125 PMCID: PMC3621746

Opal P and Goldman RD. (2013) Explaining intermediate filament accumulation in Giant Axonal Neuropathy. Rare Diseases 1:2, e25378. April/May/June 2013: Epub.

Addendum to above: Mahammad S, Murthy PSN, Didonna A, Grin B, Israeli E, Perrot R, Bomont P, Julien JP, Kuczmarski E, Opal P and Goldman RD. (2013) Giant axonal neuropathy-associated gigaxonin mutations impair intermediate filament protein degradation. Journal of Clinical Investigation May 1;123(5):1964-1975. Apr 15: Epub. doi: 1172/JCI66387. PMID: 23585478 PMCID: PMC363573

Butin-Israeli V, Adam SA and Goldman RD. (2013) Regulation of nucleotide excision repair by nuclear lamin B1. PLOS One Public Library of Science Jul 24;8(7):e69169.doi doi: 10.1371/journal.pone.0069169. PMID: 23894423 PMCID: PMC3722182

Guo M, Ehrlicher AJ, Mahammad S, Fabich H, Jensen MH, Moore JR, Fredberg JJ, Goldman RD and Weitz DA. (2013) The role of vimentin intermediate filaments in cortical and cytoplasmic mechanics. Biophysical Journal. Oct 1:105(7):1562-1568. PMID: 24094397 PMCID: PMC3791300

Shimi, T and Goldman RD. (2014) Lamins and oxidative stress in cell proliferation and longevity. Chapter 19 *in* Cancer Biology and the Nuclear Envelope. Advances in Experimental Medicine and Biology 773:415-430. doi: 10.1007/978-1-4899-8032-8\_19. PMID: 24563359 PMC Journal – In Process.

Shabbir SH, Cleland MM., Goldman RD and Mrksich M. (2014) Geometric control of vimentin intermediate filaments. Biomaterials. Feb;35(5):1359-1366. Nov 20: Epub. PMID: 24268665 PMCID: PMC3875369

Guo Y, Kim Y, Shimi T, Goldman RD and Zheng Y. (2014) Concentration-dependent lamin assembly and its roles in the localization of other nuclear proteins. Molecular Biology of the Cell Apr;25(8):1287-1297. doi: 10.1091/mbc.E13-11-0644. Feb 12: Epub. PMID 24523288. PMCID: PMC3982994

Kochin V, Shimi T, Torvaldson E, Adam SA, Goldman, AE, Pack CG, Melo-Cardenas J, Imanishi SY, Goldman, RD and Eriksson JE. (2014) Interphase phosphorylation of lamin A. Journal of Cell Science Jun 15;127(Pt 12):2683-2696. doi: 10.1242/jcs.141820. Apr 16: Epub. PMID: 24741066 PMCID: PMC4058112

Guo M, Ehrlicher AJ, Jensen MH, Renz, M, Moore JR, Goldman RD, Lippincott-Schwartz J, Mackintosh FC and Weitz DA. (2014) Probing the stochastic, motor-driven properties of the cytoplasm using force spectrum microscopy. Cell Aug 14;158(4):822-832. doi: 10.1016/j.cell.2014.06.051. PMID 25126787 PMCID: PMC4183065

Chernoivanenko IS, Matveeva EA, Gelfand VI, Goldman RD and Minin AA. (2014) Mitochondrial membrane potential is regulated by vimentin intermediate filaments. FASEB Journal Mar;29(3):820-827. Nov 17: Epub. PMID 25404709 PMCID: PMC4422353

Wood AM, Rendtlew Danielson JM, Lucas CA, Rice EL, Scalzo D, Shimi T, Goldman RD, Smith ED, Le Beau MM and Kosak ST. (2014) TRF2 and lamin A/C interact to facilitate the functional organization of chromosome ends. Nature Communications Nov 17;5:5467. doi 10.1038/ncomms6467. PMID: 25399868 PMCID: PMC4235626

Jensen MH, Morris, EJ, Goldman RD and Weitz DA. (2014) Emergent properties of composite semiflexible biopolymer networks. BioArchitecture. 2014;4(4-5):138.43 doi: 10.4161/19490992.2014.989035. PMID: 25759912 PMC Journal – In Process.

Pfleghaar KB, Taimen P, Butin-Israeli V, Shimi T, Langer-Freitag S, Markaki Y, Goldman AE, Wehnert M and Goldman, RD. (2015) Gene-rich chromosomal regions are preferentially localized in the lamin B deficient nuclear blebs of atypical progeria cells. Nucleus. 2015;6(1):66-76. doi: 10.1080/19491034.2015.1004256. PMID: 25738644 PMCID: PMC4615727

Butin-Israeli V, Adam SA, Jain N, Otte GL, Neems D, Wiesmuller L, Berger SL and Goldman RD. (2015) Role of lamin B1 in chromosome instability. Molecular Cell Biology. Mar 1;35(5):884-898. pii:MCB.01145-14. 2014 Dec 22: Epub. PMID 25535332 PMCID: PMC4323489.

Koster S, Weitz DA, Goldman RD, Aebi U and Herrmann H. (2015) Intermediate filament mechanics in vitro and in the cell: from coiled coils to filaments, fibers and networks. Current Opinion in Cell Biology. Feb;32:82-91. Jan 23: Epub. Review. PMID: 25621895 PMCID: PMC4355244

Lowery J, Kuczmarski ER, Hermann H and Goldman RD. (2015) Intermediate filaments play a pivotal role in regulating cell architecture and function. Mini review. Journal of Biological Chemistry. Jul 10;290(28):17145-17153. May 8: Epub. PMID: 25927409 PMCID: PMC4498054

Dou Z, Xu C, Donahue G, Shimi T, Pan JA, Zhu J, Ivanov A, Capell BC, Drake AM, Shah PP, Catanzaro JM, Ricketts MD, Lamark T, Adam SA, Marmorstein R, Zong WX, Johansen T, Goldman RD, Adams PD and Berger SL. (2015) Autophagy mediates degradation of nuclear lamina. Letter. Nature Nov 5;527(7576):105-9. doi: 10.1038/nature15548. Oct 28: Epub. PMID: 26524528

Shimi T, Pack CG and Goldman RD. (2016) Analyses of the dynamic properties of nuclear lamins by fluorescence recovery after photobleaching (FRAP) and fluorescence correlation spectroscopy (FCS). Protocol. Chapter 5 *in* Methods in Molecular Biology 2016;1411:99-111. doi: 10.1007/978-1-4939-3530-7\_5. PMID: 27147036.

Shimi T, Kittisopikul M, Tran J, Goldman AE, Adam SA, Zheng YZ, Jaqaman K and Goldman RD. (2015) Structural organization of nuclear lamins A, C, B1 and B2 revealed by super-resolution microscopy. Molecular Biology of the Cell (Special Issue on Quantitative Biology). Nov 5;26(22):L4075-4086. doi: 10.1091/mbc.E15-0461. Aug 26: Epub. PMID: 26310440 PMCID: PMC4710238

Ridge KM, Shumaker D, Robert A, Hookway CC, Gelfand VI, Janmey PA, Lowery J, Guo M, Weitz DA, Kuczmarski ER and Goldman RD. (2016) Methods for determining the cellular functions of vimentin intermediate filaments. Chapter 14 *in* Methods in Enzymology (ed. Omary BR and Liem RKH), 568:389-426. doi: 10/1016.bs.mie.2015.09.036. 2015 Dec 19: Epub. PMID: 26795478

Lowery J, Jain N, Kuczmarski ER, Opal P and Goldman RD. (2016) Abnormal intermediatefilament organization alters mitochondrial motility in Giant Axonal Neuropathy fibroblasts. Molecular Biology of the Cell. Feb 15;27(4):608-616. doi: 10.1091/mbc.E15-09-0627. 2015 Dec 23: Epub. PMID: 26700320 PMCID: PMC4750921

Israeli E, Dryanovski DI, Schumacker PT, Chandel NS, Singer JD, Julien JP, Goldman RD & Opal P. (2016) Intermediate filament aggregates cause mitochondrial dysmotility and increase energy demands in Giant Axonal Neuropathy. Human Molecular Genetics. Jun 1;25(11):2143-2157. Mar 21: Epub. PMID: 27000625 PMCID: PMC5081048

West G, Gullmets J, Virtanen L, Li S-P, Keinanen A, Shimi T, Mauermann M, Helio T, Kaartinen M, Ollila L, Kuusisto J, Eriksson JE, Goldman RD, Herrmann H & Taimen P. (2016) Deleterious assembly of the lamin A/C mutant p.S143P causes ER stress in familial dilated cardiomyopathy. Journal of Cell Science. Jul 15;129(14):2732-43. doi:10.1242/jcs.184150. May 27: Epub. PMID: 27235420 PMCID: PMC4958296

Gan Z, Ding L, Burckhardt CJ, Lowery J, Zaritsky A, Sitterley K, Mota A, Costigliola N, Starker CG, Voytas DF, Tytell J, Goldman RD & Danuser G. (2016) Vimentin intermediate filaments template microtubule networks to enhance persistence in cell polarity and directed migration. Cell Systems Sep 28;3(3):252-263. doi: 10.1016/j.cels.2016.08.007. Sep 22: Epub. PMID: 27667364 PMCID: PMC5055390

Chen Y, Yang Z, Wang Y, Liguo Z, Brinkman E, Adam SE, Goldman RD, van Steensel B, Ma J and Belmont A. (2017) TSA-Seq mapping of cytological distances to nuclear speckles and lamins reveals spatial and functional nuclear organization. Nature. IN REVISION.

Turgay Y, Eibauer M, Goldman AE, Shimi T, Khayat M, Ben-Harush K, Dubrovsky-Gaupp A, Sapra KT, Goldman RD and Medalia O. (2017) The molecular architecture of lamins in somatic cells. Nature Mar;543(7644):261-264. PMID: 28241138 PMCID: PMC5616216

Stephens AD, Banigan EJ, Adam SA, Goldman RD and Marko JF. (2017) Chromatin and lamin A determine two different mechanical response regimes of the cell nucleus. Molecular Biology of the Cell Jul 7;28(14)1984-1906. doi: 10.1091/mbc.E16-09-0653. Jan 5: Epub. PMID: 28057760.

Lin Ni-H, Huang YS, Opal P, Goldman RD, Messing A and Perng MD. (2016) The role of gigaxonin in the degradation of the glial-specific intermediate filament protein GFAP. Molecular Biology of the Cell. Dec 1;27(25):3980-3990. Oct 26: Epub. PMID: 27798231 PMCID: PMC5156539

Goldman RD and Kuczmarski ER. (2016) Studies of Two Rare Diseases Provide Insights into Normal Cell Functions. The Finnish Society of Sciences and Letters, Sphinx (2015-2016 Year Book). IN PRESS.

Pollard T and Goldman RD editors. (2017) The Cytoskeleton. Cold Spring Harbor Laboratory Press. 391pp.

Pollard T and Goldman RD. (2017) Overview of the Cytoskeleton from an Evolutionary Perspective. The Cytoskeleton. Cold Spring Harbor Laboratory Press, pgs 1-7.

Soomro A, Alsop RJ, Negishi A, Kreplak L, Fudge D, Kuczmarksi ER, Goldman RD and Rheinstädter MC (2017) Giant axonal neuropathy alters the structure of keratin intermediate filaments in human hair. Journal of the Royal Society Interface. Apr;14(129): pii: 20170123. doi: 10.1098/rsif.2017.0123. PMID: 28424304 PMCID: PMC5414914

Stephens D, Liu PZ, Bannigan EJ, Almassalha LM, Backman V, Adam SA, Goldman RD and Marko JF. (2018) Chromatin histone modifications and rigidity affect nuclear morphology independent of lamins. Molecular Biology of the Cell. Jan 15;29(2):220-233. doi: 10.1091/mbc.E17-06-0410. Epub: 2017 Nov 15. PMID: 29142071