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<b>Position</b>	<b>Professor</b> , Seoul National University <b>Director</b> , Center for RNA Research, Institute for Basic Science
<b>Education</b>	<b>Ph. D., Biochemistry</b> , 1994-1998 Oxford University, <i>Oxford, UK</i> <b>M. S., Microbiology</b> , 1992-1994 Seoul National University, <i>Seoul, Korea</i> <b>B. A., Microbiology</b> , 1988-1992 Seoul National University, <i>Seoul, Korea</i>
<b>Professional Experience</b>	<b><i>SNU Distinguished Professor</i></b> , 2017 Seoul National University <b><i>Professor</i></b> , <i>School of Biological Sciences</i> , 2013 Seoul National University <b><i>Director</i></b> , <i>Center for RNA Research</i> , 2012 Institute for Basic Science <b><i>SNU Distinguished Fellow</i></b> , 2010-2016 Seoul National University <b><i>Associate Professor</i></b> , <i>School of Biological Sciences</i> , 2008-2013 Seoul National University <b><i>Assistant Professor</i></b> , <i>School of Biological Sciences</i> , 2004-2008 Seoul National University <b><i>Research Associate Professor</i></b> , <i>Advanced Training Program for Biological Sciences</i> , 2001-2004 Seoul National University <b><i>Postdoc Fellow</i></b> , <i>Howard Hughes Medical Institute</i> , 1999-2001 University of Pennsylvania
<b>Professional Services</b>	<b><i>Co-Organizer</i></b> , 2019 Keystone Symposia <b><i>Board of Reviewing Editors</i></b> , 2015- Science <b><i>Editorial Board</i></b> , 2014- Molecular Cell <b><i>Organizer</i></b> , 2014 Keystone Symposia <b><i>Council Member</i></b> , 2013-2014 Presidential Advisory Council on Science and Technology

**Meetings Committee**, 2013-2014

The RNA Society

**Editorial Board**, 2012-

Genes & Development

**Director**, 2011-2012

The RNA Society

**Co-Organizer**, 2011

Keystone Symposia

**Co-Organizer**, 2011

Cold Spring Harbor Asia - ISSCR

**Editorial Board**, 2011-

EMBO Journal

**Editorial Board**, 2010-

Cell

**Co-Organizer**, 2009

The RNA Society

**Council Member**, 2006-2008

Presidential Advisory Council on Science and Technology

## Membership

**Foreign Associate Member**, 2014-

National Academy of Sciences (NAS), USA

**Member**, 2014-

The Korean Academy of Science Technology

**Foreign Associate Member**, 2013-

European Molecular Biology Organization (EMBO)

## Awards

**Asan Awards in Medicine** (ASAN Foundation), 2019

**Chen Award** (Human Genome Organisation), 2017

**S-Oil Leading Scientist of the Year** (S-Oil Science Prodigy and Culture Foundation), 2013

**The Korea S&T Award** (The Korean Federation of Science and Technology Societies), 2013

**Gwanak Grand Prize Honor Sector** (Seoul National University), 2013

**National Honor Scientist** (Ministry of Education, Science and Technology), 2010

**Amore Pacific the Grand Prize** (Amore pacific, KOFWST), 2010

**Ho-Am Prize in medicine** (Ho-Am Foundation), 2009

**L'Oreal-UNESCO Women in Science Award** (L'Oreal and UNESCO), 2008

**Woman Scientist of the Year** (Ministry of Science and Technology), 2007

**Young Scientist Award** (Ministry of Science and Technology), 2007

**Thomson Scientific Citation Award** (Thomson Corporation), 2007

## Publications

1. D. Kang, J. Shin, Y. Cho, H. S. Kim, Y. R. Gu, H. Kim, K. T. You, M. J. Chang, C. B. Chang, S. B. Kang, J. S. Kim, V. N. Kim, J. H. Kim (2019) "Stress-activated miR-204

- governs senescent phenotypes of chondrocytes to promote osteoarthritis development" *Science Translational Medicine*, 11(486): eaar6659.
2. J. Jung, K. Jeong, Y. Choi, S. A. Kim, H. Kim, J. W. Lee, V. N. Kim, K. P. Kim, J. S. Kim (2019) "Deuterium-Free, Three-Plexed Peptide Diethylation for Highly Accurate Quantitative Proteomics" *J Proteome Res.*, 18(3):1078-1087.
  3. H., Kim, J. Kim, K. Kim, H. Chang, K. You, V. N. Kim (2019) "Bias-minimized quantification of microRNA reveals widespread alternative processing and 3' end modification" *Nucleic Acids Research*, 47(5): 2630-2640.
  4. S. C. Kwon, S. C. Baek, Y.-G. Choi, J. Yang, Y. Lee, J.-S. Woo, V. N. Kim (2019) "Molecular basis for the single-nucleotide precision of primary microRNA processing" *Molecular Cell*, 73(3):505–518.
  5. J. Yeo, V. N. Kim (2018) "U-tail as a guardian against invading RNAs" *Nature structural & molecular biology*, 25, 903–905.
  6. Y. Kim, J. Park, S. Kim, M. Kim, M. G. Kang, C. Kwak, M. Kang, B. Kim, H. W. Rhee, V. N. Kim (2018) "PKR senses nuclear and mitochondrial signals by interacting with endogenous double-stranded RNAs" *Molecular Cell*, 71(6):1051-1063.e6.
  7. J. Lim, D. Kim, Y. Lee, M. Ha, M. Lee, J. Yeo, H. Chang, J. Song, K. Ahn, V. N. Kim (2018) "Mixed tailing by TENT4A and TENT4B shields mRNA from rapid deadenylation" *Science*, eaam5794.
  8. H. Yi, J. Park, M. Ha, J. Lim, H. Chang, V. N. Kim (2018) "PABP Cooperates with the CCR4-NOT Complex to Promote mRNA Deadenylation and Block Precocious Decay" *Molecular Cell*, 70(6):1081-1088.e5.
  9. B. Kim, V. N. Kim (2018) "fCLIP-seq for transcriptomic footprinting of dsRNA-binding proteins: Lessons from DROSHA" *Methods*, S1046-2023(18)30064-1.
  10. T. A. Nguyen, J. Park, T. L. Dang, Y. G. Choi, V. N. Kim (2018) "Microprocessor depends on hemin to recognize the apical loop of primary microRNA." *Nucleic Acids Res.*, gky248.
  11. A. Son, J.-E. Park, V. N. Kim (2018) "PARN and TOE1 Constitute a 3' End Maturation Module for Nuclear Non-coding RNAs" *Cell Reports*, 23(3):888-898.
  12. H. Chang, J. Yeo, J.-g. Kim, H. Kim, J. Lim, M. Lee, H. H. Kim, J. Ohk, H.-Y. Jeon, H. Lee, H. Jung, K.-W. Kim and V. N. Kim (2018) "Terminal Uridyltransferases Execute Programmed Clearance of Maternal Transcriptome in Vertebrate Embryos" *Molecular Cell*, 70(1):72-82.e7.
  13. V. N. Kim (2018) "RNA-targeting CRISPR comes of age" *Nature Biotechnology*, 36:44–45.
  14. B Kim, K Jeong, V. N Kim (2017) "Genome-wide Mapping of DROSHA Cleavage Sites on Primary MicroRNAs and Noncanonical Substrates" *Molecular Cell*, 66(2):258-269.
  15. J. Lim, M. Lee, A. Son, H. Chang, V. N. Kim (2016) "mTAIL-seq reveals dynamic poly(A) tail regulation in oocyte-to-embryo development" *Genes & Development*, 30:1671-1682.
  16. B. Choi, J. Yu, T.-S. Han, Y.-K. Kim, K. Hur, B.-C. Kang, W. H. Kim, D.-Y. Kim, H.-J. Lee, V. N. Kim, H.-K. Yang (2016) "Gastric Carcinogenesis in the miR-222/221 Transgenic Mouse Model" *Cancer Research and Treatment*, 49(1):150-160.
  17. J.-E. Park, H. Yi, Y. Kim, H. Chang, V. N. Kim (2016) "Regulation of Poly(A) Tail and Translation during the Somatic Cell Cycle" *Molecular Cell*, 62(3):462-471.

18. Y.-K. Kim, B. Kim, V. N. Kim (2016) "Re-evaluation of the roles of DROSHA, Exportin 5, and DICER in microRNA biogenesis" *Proceedings of the National Academy of Sciences of the U. S. A.*, 113(13):E1881-E1889.
19. S. C. Kwon, T. A. Nguyen, Y.-G. Choi, M. H. Jo, S. Hohng, V. N. Kim and J.-S. Woo (2016) "Structure of Human DROSHA" *Cell*, 164(1-2):81-90.
20. J. Cho, N.-K. Yu, J.-H. Choi, S.-E. Sim, S. J. Kang, C. Kwak, S.-W. Lee, J. Kim, D. I. Choi, V. N. Kim and B.-K. Kaang (2015) "Multiple repressive mechanisms in the hippocampus during memory formation" *Science*, 350(6256):82–87.
21. K. T. You, J. Park and V. N. Kim (2015) "Role of the small subunit processome in the maintenance of pluripotent stem cells" *Genes & Development*, 29(19):2004-2009.
22. M. Kampmann, M. A. Horlbeck, Y. Chena, J. C. Tsai, M. C. Bassik, L. A. Gilbert, J. E. Villalta, S. C. Kwon, H. Chang, V. N. Kim, J. S. Weissman (2015) "Next-generation libraries for robust RNA interference-based genome-wide screens" *Proceedings of the National Academy of Sciences of the U. S. A.*, 112(26):E3384-E3391.
23. S. Kim, D. Seo, D. Kim, Y. Hong, H. Chang, D. Baek, V. N. Kim, S. Lee, K. Ahn (2015) "Temporal Landscape of MicroRNA-Mediated Host-Virus Crosstalk during Productive Human Cytomegalovirus Infection" *Cell Host & Microbe*, 17(6):838-851.
24. T. A. Nguyen, M. H. Jo, Y.-G. Choi, J. Park, S. C. Kwon, S. Hohng, V. N. Kim and J.-S. Woo (2015) "Functional anatomy of the human Microprocessor" *Cell*, 161(6):1374-1387.
25. B. Kim, M. Ha, L. Loeff, H. Chang, D. K. Simanshu, S. Li, M. Fareh, D. J. Patel, C. Joo and V. N. Kim (2015) "TUT7 controls the fate of precursor microRNAs by using three different uridylation mechanisms" *EMBO Journal*, 34(13):1801-1815.
26. K. Boo, J. Bhin, Y. Jeon, J. Kim, H. J. Shin, J. E. Park, K. Kim, C. R. Kim, H. Jang, I. H. Kim, V. N. Kim, D. Hwang, H. Lee and S. H. Baek (2015) "Pontin functions as an essential coactivator for Oct4-dependent lincRNA expression in mouse embryonic stem cells" *Nature Communications*, 6:6810.
27. T.-S. Han, K. Hur, G. Xu, B. Choi, Y. Okugawa, Y. Toiyama, H. Oshima, M. Oshima, H.-J. Lee, V. N. Kim, A. N. Chang, A. Goel and H.-K. Yang (2015) "MicroRNA-29c mediates initiation of gastric carcinogenesis by directly targeting ITGB1" *Gut*, 64:203-214.
28. I. Jang, H. Chang, Y. Jun, S. Park, J. O. Yang, B. Lee, W. Kim, V. N. Kim and S. Lee (2015) "miRseqViewer: Multi-panel visualization of sequence, structure and expression for analysis of microRNA sequencing data" *Bioinformatics*, 31(4):596-598.
29. J. Lim, M. Ha, H. Chang, S. C. Kwon, D. K. Simanshu, D. J. Patel, and V. N. Kim (2014) "Uridylation by TUT4 and TUT7 marks mRNA for degradation" *Cell*, 159(6):1365-1376.
30. M. Lee, Y. Choi, K. Kim, H. Jin, J. Lim, T. A. Nguyen, J. Yang, M. Jeong, A. J. Giraldez, H. Yang, D. J. Patel, and V. N. Kim (2014) "Adenylation of maternally inherited microRNAs by Wispy" *Molecular Cell*, 56(5):696-707.
31. Y. Kim, J. Yeo, J. H. Lee, J. Cho, D. Seo, J. Kim, and V. N. Kim (2014) "Deletion of human tarbp2 reveals cellular microRNA targets and cell cycle function of TRBP" *Cell Reports*, 9:1061–1074.
32. M. Lee, B. Kim and V. N. Kim (2014) "Emerging roles of RNA modifications: m6A and U-tail" *Cell*, 158:980-987.
33. M. Ha and V. N. Kim (2014) "Regulation of microRNA biogenesis" *Nature Reviews Molecular Cell Biology*, 15, 509–524.

34. Y. Kim, J. H. Lee, J.-E. Park, J. Cho, H. Yi and V. N. Kim (2014) "PKR is activated by cellular dsRNAs during mitosis and acts as a mitotic regulator" **Genes & Development**, 28: 1310-1322.
35. H. Chang, J. Lim, M. Ha, and V. N. Kim (2014) "TAIL-seq: Genome-wide Determination of Poly(A) Tail Length and 3' End Modifications" **Molecular Cell**, 53(6):1044-1052.
36. J.-S. Woo, and V. N. Kim (2014) "MeCP2 Caught Moonlighting as a Suppressor of MicroRNA Processing" **Developmental Cell**, 28(5):477-478.
37. Y. Tian, D. K. Simanshu, J.-B. Ma, J.-E. Park, I. Heo, V. N. Kim, and D. J. Patel (2014) "A Phosphate-Binding Pocket within the Platform-PAZ-Connector Helix Cassette of Human Dicer" **Molecular Cell**, 53:606-616.
38. Y.-K. Kim, G. Wee, J. Park, J. Kim, D. Baek, J.-S. Kim, and V. N. Kim (2013) "TALEN-based knockout library for human microRNAs" **Nature Structural and Molecular Biology**, 20(12):1458-1464.
39. S. C. Kwon, H. Yi, K. Eichelbaum, S. Föhr, B. Fischer, K. T. You, A. Castello, J. Krijgsveld, M. W. Hentze, and V. N. Kim (2013) "The RNA-binding protein repertoire of embryonic stem cells" **Nature Structural and Molecular Biology**, 20(9):1122-1130.
40. S.-R. Ryoo, J. Lee, J. Yeo, H.-K. Na, Y.-K. Kim, H. Jang, J. H. Lee, S. W. Han, Y. Lee, V. N. Kim, and D.-H. Min (2013) "Quantitative and Multiplexed MicroRNA Sensing in Living Cells Based on Peptide Nucleic Acid and Nano Graphene Oxide (PANGO)" **ACS Nano**, 7(7):5882-5891.
41. C. Joo, M. Fareh, V. N. Kim (2013) "Bringing single-molecule spectroscopy to macromolecular protein complexes" **Trends in Biochemical Sciences**, 38(1):30-37.
42. J. Cho, H. Chang, S. C. Kwon, B. Kim, Y. Kim, J. Choe, M. Ha, Y. K. Kim and V. N. Kim (2012) "LIN28A is a suppressor of ER-associated translation in embryonic stem cells" **Cell**, 151: 765-777.
43. I. Heo, M. Ha, J. Lim, M.-J. Yoon, J.-E. Park, S. C. Kwon, H. Chang and V. N. Kim (2012) "Mono-uridylation of pre-microRNA as a key step in the biogenesis of group II let-7 microRNAs" **Cell**, 151:521-532.
44. J. Kim, M. Choi, J. R. Kim, H. Jin, V. N. Kim and K. H. Cho (2012) "The co-regulation mechanism of transcription factors in the human gene regulatory network" **Nucleic Acids Research**, 40(18):8849-8861.
45. H. Jin, V. N. Kim and S. Hyun (2012) "Conserved microRNA miR-8 controls body size in response to steroid signaling in *Drosophila*" **Genes & Development**, 26:1427-1432.
46. Y.-K. Kim, J. Yeo, B. Kim, M. Ha and V. N. Kim (2012) "Short Structured RNAs with Low GC Content Are Selectively Lost during Extraction from a Small Number of Cells" **Molecular Cell**, 46:893-895.
47. Y. Kim and V. N. Kim (2012) "MicroRNA Factory: RISC Assembly from Precursor MicroRNAs" **Molecular Cell**, 46:384-386.
48. S. Kim, S. Lee, J. Shin, Y. Kim, I. Evnouchidou, D. Kim, Y.-K. Kim, Y.-E. Kim, J.-H. Ahn, S. R. Riddell, E. Stratikos, V. N. Kim and K. Ahn (2011) "Human cytomegalovirus microRNA miR-US4-1 inhibits CD8<sup>+</sup> T cell responses by targeting the aminopeptidase ERAP1" **Nature Immunology**, 12:984-991.
49. J.-E. Park, I. Heo, Y. Tian, D. K. Simanshu, H. Chang, D. Jee, D. J. Patel and V. N. Kim (2011) "Dicer recognizes the 5' end of RNA for efficient and accurate processing" **Nature**, 475:201-205.

50. K.-H. Yeom, I. Heo, J. Lee, S. Hohng, V. N. Kim and C. Joo (2011) "Single-molecule approach to immunoprecipitated protein complexes: insights into miRNA uridylation" ***EMBO Reports***, 12:690-969.
51. Y.-K. Kim, I. Heo and V. N. Kim (2010) "Modifications of Small RNAs and Their Associated Proteins" ***Cell***, 143:703-709.
52. S. Hyun, J. H. Lee, H. Jin, J. Nam, B. Namkoong, Gina Lee, J. Chung and V. N. Kim (2009) "Conserved microRNA miR-8/miR-200 and its target USH/FOG2 control growth by regulating PI3K" ***Cell***, 139:1096-1108.
53. I. Heo and V. N. Kim (2009) "Regulating the Regulators: Posttranslational Modifications of RNA Silencing Factors" ***Cell***, 139:28-31.
54. H. Jin, M. R. Suh, J. Han, K.-H. Yeom, Y. Lee, I. Heo, M. Ha, S. Hyun and V. N. Kim (2009) "Human UPF1 Participates in Small RNA-Induced mRNA Downregulation" ***Molecular and Cellular Biology***, 20(21):5789-99.
55. I. Heo, C. Joo, Y.-K. Kim, M. Ha, M.-J. Yoon, J. Cho, K.-H. Yeom, J. Han and V. N. Kim (2009) "TUT4 in Concert with Lin28 Suppresses MicroRNA Biogenesis through Pre-MicroRNA Uridylation" ***Cell***, 138:696-708.
56. Y.-K. Kim, J. Yu, T. S. Han, S. Y. Park, B. Namkoong, D. H. Kim, K. Hur, M. W. Yoo, H. J. Lee, H. K. Yang, and V. N. Kim (2009) "Functional links between clustered microRNAs: suppression of cell-cycle inhibitors by microRNA clusters in gastric cancer" ***Nucleic Acids Research***, 37:1672-1681.
57. V. N. Kim, J. Han and M. C. Siomi (2009) "Biogenesis of small RNAs in animals" ***Nature Reviews Molecular Cell Biology***, 10:126-139.
58. J. Han, J. S. Pederson, S. C. Kwon, C. D. Belair, Y.-K. Kim, K. H. Yeom, W. Y. Yang, D. Haussler, R. Bleloch, and V. N. Kim (2009) "Posttranscriptional crossregulation between Drosha and DGCR8" ***Cell***, 136:75-84.
59. S. Y. Park, J. H. Lee, M. Ha, J. W. Nam and V. N. Kim (2009) "miR-29 miRNAs activate p53 by targeting p85a and CDC42" ***Nature Structural and Molecular Biology***, 16(1):23-9.
60. I. Heo, C. Joo, J. Cho, M. Ha, J. Han and V. N. Kim (2008) "Lin28 mediates the terminal uridylation of let-7 precursor microRNA" ***Molecular Cell***, 32:276-284.
61. V. N. Kim (2008) "Cell cycle micromanagement in embryonic stem cells" ***Nature Genetics***, 40(12):1391-2.
62. V. N. Kim (2008) "Sorting out small RNAs" ***Cell***, 133:25-26.
63. H. H. Lee, Y. S. Kim, K. H. Kim, I. Heo, S. K. Kim, O. Kim, H. K. Kim, J. Y. Yoon, H. S. Kim, D. J. Kim, H. J. Yoon, S. J. Kim, B. G. Lee, H. K. Song, V. N. Kim, C. M. Park and S. W. Suh (2007) "Structural and functional insights into Dom34, a key component of No-Go mRNA decay" ***Molecular Cell***, 27(6):938-50.
64. S. Y. Sohn, W. J. Bae, J. J. Kim, K. H. Yeom, V. N. Kim and Y. Cho (2007) "Crystal structure of human DGCR8 core" ***Nature Structural and Molecular Biology***, 14(9):847-53.
65. Y.-K. Kim and V. N. Kim (2007) "Processing of intronic microRNAs" ***EMBO Journal***, 26(3):775-83.
66. J. T. Lee, S. S. Yu, V. N. Kim and S. Kim (2007) "Control of Splicing Efficiency by the Mouse Histone H2a Element in a Murine Leukemia Virus-based Retroviral Vector" ***Molecular Therapy***, 15(1):167-72.

67. V. N. Kim (2006) "Small RNAs just got bigger: Piwi-interacting RNAs (piRNAs) in mammalian testes" **Genes & Development**, 20(15):1993-7.
68. K. H. Yeom, Y. Lee, J. Han, M. R. Suh and V. N. Kim (2006) "Characterization of DGCR8/Pasha, the essential cofactor for Drosha in primary miRNA processing" **Nucleic Acids Research**, 34(16):4622-9.
69. V. N. Kim and J. W. Nam (2006) "Genomics of microRNA" **Trends in Genetics**, 22(3):165-73.
70. S. J. Yim, Y. S. Lee, D. J. Chang, J. H. Han, H. Kim, H. Park, H. Jun, V. N. Kim and B. K. Kaang (2006) "Regulation of ApC/EBP mRNA by the Aplysia AU-rich element-binding protein, ApELAV, and its effects on 5-hydroxytryptamine-induced long-term facilitation" **Journal of Neurochemistry**, 98(2):420-9.
71. J. Han, Y. Lee, K. H. Yeom, J. W. Nam, I. Heo, J. K. Rhee, S. Y. Sohn, Y. Cho, B. T. Zhang, and V. N. Kim (2006) "Molecular basis for the recognition of primary microRNAs by the Drosha-DGCR8 complex" **Cell**, 125(5):887-901.
72. Y. Lee, I. Hur, S. Y. Park, Y.-K. Kim, M. R. Suh and V. N. Kim (2006) "The role of PACT in the RNA silencing pathway" **EMBO Journal**, 25(3):522-32.
73. J. W. Nam, K. R. Shin, J. Han, Y. Lee, and V. N. Kim, B. T. Zhang (2005) "Human microRNA prediction through a probabilistic co-learning model of sequence and structure" **Nucleic Acids Research**, 33(11):3570-81.
74. K. Lee, K. Jeon, J. M. Kim, V. N. Kim, D. H. Choi, S. U. Kim and S. Kim (2005) "Downregulation of GFAP, TSP-1, and p53 in human glioblastoma cell line, U373MG, by IE1 protein from human cytomegalovirus" **Glia**, 51(1):1-12.
75. V. N. Kim (2005) "MicroRNA biogenesis: coordinated cropping and dicing" **Nature Reviews Molecular Cell Biology**, 6(5):376-85.
76. V. N. Kim (2005) "Small RNAs: classification, biogenesis, and function" **Molecules and Cells**, 19(1):1-15.
77. J. Han, Y. Lee, K. H. Yeom, Y.-K. Kim, H. Jin and V. N. Kim (2004) "The Drosha-DGCR8 complex in primary microRNA processing" **Genes & Development**, 18(24):3016-27.
78. Y. Lee, M. Kim, J. Han, K. H. Yeom, S. Lee, S. H. Baek, and V. N. Kim (2004) "MicroRNA genes are transcribed by RNA polymerase II" **EMBO Journal**, 23(20):4051-60.
79. M. R. Suh, Y. Lee, J. Y. Kim, S. K. Kim, S. H. Moon, J. Y. Lee, K. Y. Cha, H. M. Chung, H. S. Yoon, S. Y. Moon, V. N. Kim and K. S. Kim (2004) "Human embryonic stem cells express a unique set of microRNAs" **Developmental Biology**, 270(2):488-98.
80. V. N. Kim (2004) "MicroRNA precursors in motion: exportin-5 mediates their nuclear export" **Trends in Cell Biology**, 14(4):156-9.
81. Y. Lee, C. Ahn, J. Han, H. Choi, J. Kim, J. Yim, J. Lee, P. Provost, O. Radmark, S. Kim, V. N. Kim (2003) "The nuclear RNase III Drosha initiates microRNA processing" **Nature**, 425(6956):415-9.
82. Y. Lee, K. Jeon, J. T. Lee, S. Kim and V. N. Kim (2002) "MicroRNA maturation: stepwise processing and subcellular localization" **EMBO Journal**, 21(17):4663-70.
83. Dreyfuss G., Kim V.N. and Kataoka N. (2002) "Messenger-RNA-binding proteins and the messages they carry" **Nature Reviews Molecular Cell Biology**, 3:195-205.

84. Kataoka N., Diem MD, Kim V. N., Yong J. and Dreyfuss G. (2001) "Magoh, a human homolog of *Drosophila mago nashi* protein, is a component of the splicing-dependent exon-exon junction complex" ***EMBO Journal***, 20:6424-6433.
85. Kim V.N., Kataoka N. and Dreyfuss G. (2001) "Role of the nonsense-mediated decay factor hUpf3 in the splicing-dependent exon-exon junction complex" ***Science***, 293:1832-1836.
86. Kim V.N. and Dreyfuss G. (2001) "Nuclear mRNA binding proteins couple pre-mRNA splicing and post-splicing events" ***Molecules and Cells***, 12:1-10.
87. Kim V.N., Yong J., Kataoka N., Abel L., Diem MD and Dreyfuss G. (2001) "The Y14 protein communicates to the cytoplasm the position of exon-exon junctions" ***EMBO Journal***, 20:2062-2068.