

Curriculum Vitae

Donald G. Phinney, Ph. D.

Tulane University Health Science Center

Center for Gene Therapy
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EDUCATION:

1984-1990	Temple University School of Medicine Philadelphia, Pennsylvania	Ph.D., Biochemistry
1980-1984	University of Vermont Burlington, Vermont	B. A., Chemistry & Mathematics

PROFESSIONAL EXPERIENCE:

2007-	Professor of Microbiology and Immunology Associate Director of Research, Center for Gene Therapy Tulane University Health Sciences Center, New Orleans, LA
2002-2007	Associate Professor with Tenure Center for Gene Therapy and Department of Microbiology and Immunology Tulane University Health Sciences Center, New Orleans, LA
2000-2002	Assistant Professor Center for Gene Therapy and Department of Microbiology and Immunology Tulane University Health Sciences Center, New Orleans, LA
1996-2000	Assistant Professor Center for Gene Therapy and Department of Pathology and Laboratory Medicine MCP Hahnemann School of Medicine, Philadelphia, PA
1995-1996	Instructor Institute for Molecular Medicine Thomas Jefferson University, Philadelphia, PA
1992-1995	American Cancer Society Post-Doctoral Fellow Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, PA
1990-1992	Post-Doctoral Associate Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, PA

RESEARCH SUPPORT:

		<u>Total Direct Costs</u>
2007-2011	National Institutes of Health (NINDS) Principal Investigator (1 R01 NS052301-01A2) “Pre-Clinical Trial of MSC-Based Therapy for CNS Disease”	\$1,354,032
2005-2010	National Institutes of Health (NHLBI) Core C Director (1 P40 RR017447-01, Prockop, DJ) “Homing and Differentiation of Adult Stem Cells to Lung”	\$9,557,684

2005-2010	National Institutes of Health (NHLBI) Co-Investigator (1 R01 HL073771-01, Ortiz, LA) "Mesenchymal stem cells in the treatment of lung injury"	\$1,250,000
2004-2009	National Institutes of Health (NCRR) Mentor (1 P20 RR020152-01, Deininger, P) "Mentoring a Cancer Genetics Program"	\$8,096,352
2007-2009	National Institutes of Health (NIBIB) Co-Investigator (1 R03 EB007281-01, O'Connor, K) "Mechanisms of progenitor enrichment during amplification of marrow stromal cells"	\$149,000
2005-2008	National Science Foundation Co-Investigator (0514242, O'Connor, K) "Factors Influencing Plasticity of Adult Stem Cells in Co-Culture"	\$496,381
2003-2008	National Institutes of Health (NCRR) Co-Investigator (1 P40 RR17447-01, Prockop, DJ) "Preparation and Distribution of Adult Stem Cells"	\$4,325,917
2006-2008	Tulane Research Enhancement Fund Principal Investigator "A Novel Cellular Vector from Bone Marrow for Treatment of Neurological Disorders"	\$90,000
2006-2007	National Institutes of Health (NINDS) Principal Investigator (3 R01 NS039033-04S2) (Funded Extension thru 08/31/07) "Marrow Stromal Cells for Lysosomal Disease CNS Defects"	\$125,000
2006-2007	National Institutes of Health (NINDS) Principal Investigator (3 R01 NS039033-04S1) "Marrow stromal cells for lysosomal disease CNS defects"	\$50,000
2002-2007	Millennium Trust Health Excellence Fund Principal Investigator "Safety and toxicity of mesenchymal stem cell administration to the CNS of non-human primates"	\$646,415
2001-2005	National Institutes of Health (NINDS) Principal Investigator (R01-NS39033-01A2) "Marrow stromal cells for lysosomal disease CNS defects"	\$700,000
2002-2003	National Institutes of Health (NINDS) Principal Investigator (R01-NS39033-02S1) "Marrow stromal cells for lysosomal disease CNS defects"	\$72,765
2001-2002	Muscular Dystrophy Association Principal Investigator. "Marrow stromal cells for lysosomal disease CNS defects"	\$100,000
1997-2001	National Institutes of Health (NIAMS) Senior Investigator (R01-AR44210-01A1, Prockop, DJ) "Marrow stromal cells and gene therapy of bone diseases"	\$670,956

1996-1998	March of Dimes/Birth Defects Foundation Co-Investigator (Prockop, DJ) “Potential use of stromal cells from bone marrow for therapy of growth defects, hemophilia B, and obesity”	\$112,918
1992-1994	American Cancer Society Fellowship Award “Transcriptional regulation of the JunB proto-oncogene”	\$56,000

HONORS AND AWARDS:

2006	Lead Reviewer Award, <i>Stem Cells</i>
2004	Best Abstract Award, 4 th Annual Conference on Mesenchymal and Non-hematopoietic Stem Cells, New Orleans, LA.
2004-2005	Who’s Who in Medicine and Healthcare
2003	Best Abstract Award, 9 th International Meeting of the International Society of Cell Therapy (ISCT), Phoenix, Az.
2003-2004	Who’s Who in Science and Engineering
2002	Best Abstract Award, 2 nd Annual Conference on Mesenchymal and Non-hematopoietic Stem Cells, New Orleans, LA.
1982	UVM College of Arts and Sciences, Nominee for Outstanding Academic Sophomore
1980-1984	Atkinson Academy Scholarship Award
1979	St. Paul’s Academy, Advanced Study Program, Honors in Chemistry

PROFESSIONAL SERVICES AND APPOINTMENTS:

Editorial Duties

2008-	Co-Editor, <i>Stem Cells</i> (AlphaMed Press, Current Impact Factor = 7.94).
2007-2008	Associate Editor, <i>Stem Cells</i> (AlphaMed Press).
2007-	Editorial Board, <i>Open Biotechnology</i> (Bentham Science Publishers Ltd.).
2005-	Editorial Board, <i>Stem Cells</i> (AlphaMed Press).

Professional Publications

2008	Invited reviewer, <i>Expt. Neurol.</i> , <i>J. Cellular Physiol.</i> (2), <i>Leukemia</i> , <i>Placenta</i> , <i>Rejuvenation Research</i> , <i>Tissue Eng.</i>
2007	Invited reviewer, <i>Am. J. Physiol.</i> , <i>Biotechnology Progress</i> , <i>BMC Genomics</i> , <i>Differentiation</i> , <i>Cell Proliferation</i> , <i>Cytotherapy</i> , <i>Experimental Hematology</i> (2), <i>Expert Opin. Biol Ther.</i> , <i>J. Cell. Physiol.</i> , <i>J. Exp. Med.</i> , <i>Neuroscience</i> (2), <i>Stem Cell Dev.</i> , <i>Stem Cell Research</i> , <i>Stem Cells</i> (25).
2006	Invited reviewer, <i>Aging Cell</i> , <i>Brain Res.</i> (2), <i>Cell & Tissue Res.</i> , <i>Cell Proliferation</i> , <i>Expt. Hematology</i> , <i>FASEB Journal</i> (2), <i>J. Cell. Biochem.</i> , <i>Oncogene</i> , <i>Stem Cells</i> (19), <i>Neuroscience</i> , <i>Proc. Natl. Acad. Sci.</i> (3).
2005	Invited reviewer, <i>Blood</i> , <i>BMC Cancer</i> , <i>Cell Res.</i> , <i>Expt. Hematology</i> , <i>J. Neurosci. Res.</i> , <i>Neuroscience</i> , <i>Stem Cells</i> (11), <i>Tissue Engineering</i> .
2004	Invited reviewer, <i>Cell & Tissue Res.</i> , <i>Exp. Hematology</i> , <i>J. Cell Sci.</i> , <i>Genomics</i> , <i>Proc. Natl. Acad. Sci. USA</i> (3), <i>Stem Cells</i> (7).
2003	Invited reviewer, <i>Bone Marrow Transpl.</i> , <i>Circ.Res.</i> , <i>Expt. Hematology</i> , <i>Genomics</i> , <i>Proc. Natl. Acad. Sci. USA</i> (2), <i>Stem Cells</i> (3).
2002	Invited reviewer, <i>Circ. Res.</i> , <i>Stem Cells</i> , <i>In Vitro</i> .
2001	Invited reviewer, <i>Proc. Natl. Acad. Sci. USA</i>
2000	Invited reviewer, <i>Nature Medicine</i> , <i>Cell and Tissue Research</i> , <i>Brit. J. Hematol.</i>
1999	Invited reviewer, <i>J. Biol. Chem.</i>

Professional Granting Organizations

- 2008 Invited Reviewer, Molecular Oncogenesis Study Section (MONC), Oncological Sciences Integrated Review Group, NCI, National Institute of Health
Invited Reviewer, Blue Ribbon Panel, Maryland Stem Cell Research Fund (MSCRF) and the Maryland Technology Development Corporation
- 2007 Invited Reviewer, Agency for Science, Technology and Research's (A*STAR) Biomedical Research Council (BMRC), Singapore, Philippines.
- 2006 Invited Reviewer, Physiology and Pathobiology of Organ Systems – Fellowships 2 (ZRG1 F10-H), National Institute of Health.
- 2005 Invited Reviewer, Clinical Neuroplasticity and Neurotransmitter Special Emphasis Panel (ZRG1 BDCN B02S), NINDS, National Institute of Health.
Invited reviewer, Clinical Neuroplasticity and Neurotransmitter Study Section (CNNT), NINDS, National Institute of Health.
- 2004 Invited reviewer, Lung Injury, Repair and Remodeling (LIRR) Study Section, NIHLB, National Institute of Health.
Invited reviewer: European Science Foundation (EuroSTELLS).
Invited reviewer, The Wellcome Trust Research Training Fellowships.
- 2003 Invited reviewer: Israeli Science Foundation.
- 2002 Invited reviewer: Israeli Science Foundation.
- 2001 N.C.I. Program project grant site visit committee, Case Western Reserve University, Cleveland, OH.

Professional Committees and Consulting

- 2008 Independent expert for script editing, NOVA Science NOW episode on stem cell research, NOVA, WGBH Boston, MA
Ad hoc reviewer, Mid-tenure tract reviews, National Institute of Craniofacial and Dental Research (NICDR), National Institutes of Health
- 2006 Expert Witness, Drinker, Biddle and Reath Law Offices, Berwyn, PA
- 2005- Member, Gerson Lehrman Group Council
- 2005 Abstract Reviewer, 3rd Annual Meeting of the International Society of Stem Cell Research (ISSCR).
- 2004- External Scientific and Program Advisory Board, NDICR Research Infrastructure Development Program, College of Dental Medicine, Medical University of South Carolina.
- 2002-2005 Member, planning committee, International Society of Stem Cell Research (ISSCR).

Professional Organizations, Membership

- 2004- Society for Neuroscience
- 2002- Charter member, International Society of Stem Cell Research (ISSCR)
- 2001- International Society for Cell Therapy (ISCT)
Society of Regenerative Medicine and Stem Cell Biology
- 1988- American Association for the Advancement of Science (AAAS)

Industry

- 2002-2003 Scientific Advisory Board, StemSource Inc., Los Angeles, CA

PUBLICATIONS:

Doctoral Thesis:

The Effect of Divalent Cations on the Accumulation of a Cell Surface Protein in *Arthrobacter*. Temple University School of Medicine, Philadelphia, PA (1990).

Articles Published in Peer-Reviewed Journals:

1. Krapcho, A. P., Shaw, K. J., Landi, J. J. Jr., **Phinney, D. G.** (1984). Synthesis of

- unsymmetrical 1,4-bis[(aminoalkyl)amino]anthracene-9,10-diones for antineoplastic evaluation. *J. Org. Chem.* 49:5253-5255.
2. Krapcho, A. P., Landi, J. J. Jr., Shaw, K. J., **Phinney, D. G.**, Hacker, M. P., McCormack J. J. (1986). Synthesis and anti-tumor activities of unsymmetrically substituted 1,4-bis[(aminoalkyl)amino]anthracene-9,10-diones and related systems. *J. Med. Chem.* 29:1370-1373.
 3. Hooper, J. K., **Phinney, D. G.** (1988). Induction of a light-inducible gene in *Arthrobacter sp.* by exposure of cells to chelating agents and pH 5. *Biochim. Biophys. Acta.* 950:234-237.
 4. Hooper, J. K., **Phinney, D. G.** (1988). Are "light-derepressible" genes controlled by metal-protein complexes? *Trends Biochem. Sci.* 13:371-374.
 5. Hooper, J. K., **Phinney, D. G.** (1991). Induction by light of a prokaryotic gene that is repressed by calcium - a review. *Trends Photochem. Photobiol.* 2:113-120.
 6. **Phinney, D. G.**, Hooper, J. K. (1992). Regulation of expression by divalent cations of a light-inducible gene in *Arthrobacter photogonimos*. *Arch. Microbiol.* 158:85-92.
 7. **Phinney, D. G.**, Keiper, C. L., Francis, M. K., Ryder, K. (1994). Quantitative analysis of the contribution made by 5'-flanking and 3'-flanking sequences to the transcriptional regulation of junB by growth factors. *Oncogene* 9:2353-2362.
 8. **Phinney, D. G.**, Tseng, S. W., Ryder, K. (1995). Complex genetic organization of junB: Multiple blocks of flanking evolutionary conserved sequences at the murine and human junB loci. *Genomics* 28:228-234.
 9. Francis, M. K., **Phinney, D. G.**, Ryder, K. (1995). In vivo and in vitro analysis of junD-estrogen receptor fusion genes. *J. Biol. Chem.* 270:11502-11513
 10. **Phinney, D. G.**, Tseng, S. W., Hall, B., Ryder, K. (1996). Chromosome integration dependent induction of junB by growth factors requires multiple evolutionary conserved flanking sequences. *Oncogene* 13:1875-1883.
 11. Li, S. W., Arita, M., Kopen, G., **Phinney, D. G.**, Prockop, D. J. (1998). A 1,064 bp fragment from the promoter region of the Col11a2 gene drives LacZ expression not only in cartilage but also in osteoblasts adjacent to regions undergoing both endochondrial and intramembranous ossification in mouse embryos. *Matrix Biology* 17: 213-221.
 12. **Phinney, D. G.**, Kopen, G., Isaacson, R. L., Prockop, D. J. (1999). Plastic adherent stromal cells from the bone marrow of commonly used strains of inbred mice: Variations in yield, growth, and differentiation. *J. Cell. Biochem.* 72:570-585.
 13. Kopen, G., Prockop, D. J., **Phinney, D. G.** (1999). Enhanced in situ detection of beta-Glucuronidase activity in murine tissue. *J. Histo. Cytochem.* 47:965-968.
 14. Kopen, G., Prockop, D. J., **Phinney, D. G.** (1999). Marrow stromal cells migrate throughout forebrain and cerebellum, and they differentiate into astrocytes after injection into neonatal mouse brains. *Proc. Natl. Acad. Sci. USA.* 96:10711-10716.
 15. DiGirolamo, C. M., Stokes, D., Colter, D., **Phinney, D. G.**, Prockop, D. J. (1999). Propagation and senescence of human marrow stromal cells in culture. A simple colony-forming assay identifies samples with the greatest potential to propagate and differentiate. *Br. J. Hematol.* 107:275-281.
 16. **Phinney, D. G.**, Richter, W., Kopen, G., Webster, S., Tremain, N., Prockop D. J. (1999). Donor variation in the growth properties and osteogenic potential of human marrow stromal cells. *J. Cell. Biochem.* 75:424-436.
 17. Kulkosky, J., Bouhamdan, M., Geist, A., Nunnari, G., **Phinney, D. G.**, Pomerantz, R. J. (2000). Pathogenesis of HIV-1 infection within bone marrow cells. *Leukemia and Lymphoma* 37:497-515.
 18. Prockop, D. J., Azizi, S. A., Colter D., DiGirolamo C., Kopen G., **Phinney D. G.** (2000). Potential use of stem cells from bone marrow to repair the extracellular matrix and the central nervous system. *Biochemical Society Transactions* 28(4):341-345.
 19. Prockop, D. J., Azizi, S. A., **Phinney, D. G.**, Kopen, G. C., Shwarz, E. J. (2000). Potential use of marrow stromal cells as therapeutic vectors for diseases of the central nervous

- system. *Prog. Brain Res.* 128:293-297.
20. Ibberson, D., Tremain, N., Gray, A., **Phinney, D. G.** (2001). What is in a name? Defining the molecular phenotype of marrow stromal cells and their relationship to other stem/progenitor cells. *Cytotherapy* 3(5):409-411.
 21. Tremain, N., Korrko, J., Kopen, G. C., Ibberson, D., DiGirolamo, C., **Phinney, D. G.** (2001). MicroSAGE analysis of 2353 expressed genes in a single cell-derived colony of Undifferentiated human mesenchymal stem cells reveal mRNAs of multiple cell lineages. *Stem Cells* 19(5):408-418.
 22. **Phinney, D. G.** (2002). Building a consensus regarding the nature and origin of mesenchymal stem cells. *J. Cell. Biochem.* S38:7-12.
 23. McBride, C., Gaupp, D., **Phinney, D. G.** (2003). Quantifying levels of transplanted murine and human mesenchymal stem cells in vivo by real-time PCR. *Cytotherapy* 5:7-18.
 24. Ortiz, L. A., Gambelli, F., McBride, C., Gaupp, D., Baddoo, M., Kaminski, N., **Phinney, D. G.** (2003). Mesenchymal stem cell engraftment in lung is enhanced in response to bleomycin exposure and ameliorates its fibrotic effects. *Proc. Natl. Acad. Sci. USA* 100:8407-8411.
 25. Baddoo, M., Hill, K., Wilkinson, R., Gaupp, D., Hughes, C., Kopen G. C., **Phinney, D. G.** (2003). Characterization of mesenchymal stem cells isolated from murine bone marrow by negative selection. *J. Cell. Biochem.* 89:1235-1249.
 26. **Phinney, D. G.** and Isakova, I. (2005). Plasticity and therapeutic potential of mesenchymal stem cells in the nervous system. *Curr. Pharm. Design* 11(10):1255-1265.
 27. **Phinney, D. G.**, Gray, A. J., Hill, K., Pandey, A. (2005) Murine mesenchymal and embryonic stem cells share similar Hox gene expression profiles. *Biochem. Biophys. Res. Comm.* 338:1759-1765.
 28. Crigler, L., Robey, R. C., Asawachaicharn, A., Gaupp, D., **Phinney, D. G.** (2006) Human mesenchymal stem cells express a variety of neuro-regulatory molecules and promote neuronal cell survival and neurogenesis. *Exp Neurol.* 198:54-64.
 29. **Phinney, D. G.**, Hill, K., Michelson, C., DuTreil, M., Hughes, C., Humphries, S., Wilkinson, R., Baddoo, M., Bayly E. (2006). Biological activities encoded by the murine mesenchymal stem cell transcriptome provide a basis for their developmental plasticity and broad clinical efficacy. *Stem Cells* 24:186-198.
 30. Isakova, I. A., Baker, K., Dufour, J., Gaupp, D., **Phinney, D. G.** (2006). Pre-Clinical evaluation of adult stem cell engraftment and toxicity in the CNS of Rhesus Macaques. *Mol. Therapy* 13:1173-1184.
 31. Barrilleaux, B, **Phinney, D. G.**, Prockop, D. J., O'Connor, K. C. (2006). Ex Vivo engineering of living tissues with adult stem cells. *Tissue Eng.* 12(11):3007-3019.
 32. **Phinney, D. G.** (2006) Chapter 3. Gene expression profiles of mesenchymal stem cells, pp. 59-80 in *Genetic Engineering of Mesenchymal Stem Cells*, Edited by J. A. Nolte, Springer, P.O. Box 17, 3300 AA Dordrecht, The Netherlands.
 33. **Phinney, D. G.**, Baddoo, M., Gaupp, D., DuTreil, M., Isakova, I.A. (2006). Murine MSCs transplanted to the CNS of neonatal vs. adult mice exhibit distinct engraftment kinetics and express receptors that guide neuronal cell migration. *Stem Cell Dev.* 15:437-447.
 34. Zvezdaryk, K. J., Coffelt, S. B., Figueroa, Y. G., Liu, J., **Phinney, D. G.**, Lamarca, H. L., Florez, L., Morris, C. B., Hoyle, G. W., Scandurro, A. B. (2007). Erythropoietin, a hypoxia-regulated factor, elicits a pro-angiogenic program in human mesenchymal stem cells. *Exp. Hematol.* 35:640-652.
 35. Kang, K. S., Yeo, J. E., Kang, K. S., **Phinney, D. G.** (2007). Cytoplasmic extracts from adipose tissue stromal cells alleviates secondary damage by modulating apoptosis and promotes functional recovery following spinal cord injury. *Brain Pathology* 17:263-275.
 36. **Phinney, D. G.** and Prockop, D. J. (2007). The state of transdifferentiation and modes of tissue repair: current views. *Stem Cells* 25:2896-2902.
 37. Ortiz, L. A., DuTreil, M., Fattman, C., Pandey, A. C., Torres, G., Go, K., **Phinney, D. G.** (2007).

- Interleukin 1 receptor antagonist mediates the anti-inflammatory and anti-fibrotic effect of mesenchymal stem cells during lung injury. Proc. Natl. Acad. Sci. USA 104:11002-11007.
38. **Phinney, D. G.** (2007). Biochemical heterogeneity of mesenchymal stem cell populations: clues to their therapeutic efficacy. Cell Cycle 6:2884-2889.
 39. Isakova, I. A., Baker, K., Dufour, J., Gaupp, D., **Phinney, D. G.** (2007). Dose and age-related effects on MSCs engraftment levels and anatomical distribution in the CNS of non-human primates: Identification of novel MSC subpopulations that respond to guidance cues in brain. Stem Cells 25:3261-3270.
 40. Prockop, D. J., **Phinney, D. G.**, Bunnell, B. A. (2008). Methods and protocols, preface. Methods Mol. Biol. 449:v-vii.
 41. **Phinney, D. G.** (2008) Isolation of murine mesenchymal stem cells by immunodepletion, vol. 449, pp. 171-186 in Methods in Molecular Biology, Molecular Medicine and Biotechnology: Adult Mesenchymal Stem Cells. Edited by D. J. Prockop, B. A. Bunnell and D. G. Phinney, Humana Press Inc., Totowa, N.J.
 42. **Phinney, D. G.** (2008) Marrow Stem Cells, in Advances in Tissue Engineering. Edited by J. Polak S. Mantalaris, and S. Harding, Imperial College Press, London (In Press).
 43. Stojkovic, M. and **Phinney, D. G.** Reprogramming Battle: Egg vs. Virus. (2008) Stem Cells 26:1.
 44. **Phinney, D. G.** and Stojkovic, M. STEM CELLS appoints four associate editors. (2008) Stem Cells. Apr 18; [Epub ahead of print].

Edited Books:

1. Methods in Molecular Biology, Molecular Medicine and Biotechnology: Adult Mesenchymal Stem Cells, vol. 449, 2008. Edited by D. J. Prockop, B. A. Bunnell and **D. G. Phinney**, Humana Press Inc., Totowa, N.J.

INVITED LECTURES:

2008

- 05/18/08: 14th Annual Meeting of the International Society of Cell Therapy (ISCT), Miami, FL. Workshop 5: Universal Donor for Cell Therapy -“Engraftment of Allogeneic MSCs in the CNS of Immune Competent Non-Human Primates.”
- 04/22/08: Section of Orthopedic Surgery and Rehabilitation Medicine, University of Chicago, Chicago, IL. “A SAGE View of Mesenchymal Stem Cells.”
- 03/14/08: 2nd Annual Conference on Stem Cell Therapies for Pediatric Diseases and Injuries - A Critical Appraisal. Children’s Hospital of Orange County Harold Wade Center, Orange County, California.
 Morning session: “Mesenchymal Stem Cells for Transplantation.”
 Afternoon session: “Mesenchymal Stem Cell Neuro-therapy in the Lysosomal Storage Diseases”.

2007

- 11/30/07: Hayward Genetics Center, Tulane University Health Sciences Center, New Orleans, LA. “Biochemical Heterogeneity of MSC Populations: Insights Into Their Therapeutic Potential.”
- 11/15/07: Department of Microbiology and Immunology, State University of New York (SUNY) Medical Center, Brooklyn, NY. “Mesenchymal Stem Cells: Genomics to Cell Therapy.”
- 08/01/07: Stem Cells and Cellular Therapies in Lung Biology and Lung Diseases, University of Vermont, Burlington, VT. “Alterations of the Local Lung Environment by Stem Cells.”
- 06/25/07: 13th Annual Meeting of the International Society of Cell Therapy (ISCT), **Sydney, Australia.** “Mesenchymal Stem Cells Administered to the CNS of Rhesus Macaques Exhibit Enhanced Engraftment but a Similar Anatomical Distribution in Neonatal vs. Adult Recipients.”
- 05/14/07: The Department of Physiology, Tulane University Medical School, New Orleans, LA. “A SAGE View of Mesenchymal Stem Cells.”

03/26/07: Louisiana House of Representatives Special Committee on Cellular Technologies, Pennington Biomedical Research Center, Baton Rouge, LA. "Translating Stem Cell Science into Cell-Based Therapies."

2006

11/07/06: Keynote Speaker, 13th Annual Graduate Student Association Research Symposium, Graduate School of Biomedical Sciences, University of Medicine and Dentistry of New Jersey (UMDNJ). "Mesenchymal Stem Cells: Genomics to Cell Therapy".

11/03/06: 1st Annual Mesenchymal Stem Cell Meeting, Seoul National University, **Seoul, South Korea**. "A SAGE View of Mesenchymal Stem Cells."

03/20/06: National Jewish Medical and Research Center, Denver, CO. "A SAGE View of Mesenchymal Stem Cells."

2005

05/24/05: 100th International Conference of the American Thoracic Society (ATS), San Diego, CA. Symposia on Stem Cells in Lung Biology. "Marrow-Derived Stem Cells for Lung Repair: Which Cell is Best?"

04/14/05: CASE Media Fellowship Program, Tulane University Health Sciences Center, New Orleans, LA. "Mesenchymal Stem Cell-Based Therapies."

03/14/05: Pennington Biomedical Research Center, Louisiana State University, Baton Rouge, LA. "Mesenchymal Stem Cell-Based Therapies for CNS Disorders: Engraftment, Toxicity and Potential Efficacy."

02/22/05: Department of Medicine, Tulane University Medical School, New Orleans, LA. "Pre-clinical Evaluation of Adult Stem Cell Engraftment and Toxicity in the CNS of Rhesus Macaques."

2004

10/15/04: 4th Annual Conference on Mesenchymal and Non-hematopoietic Stem Cells, New Orleans, LA. "Quantitative Assessment of MSC Engraftment in the CNS of Non-Human Primates and its Effect on Behavior and Motor Performance."

09/27/04: Sarcoma and Mesenchymal Stem Cell Biology Workshop, National Cancer Institute, Crystal City, Virginia. "Mesenchymal Stem Cell Arrays."

08/12/05: Department of Medicine, University of Louisville, Louisville, Kentucky. "A SAGE View of Mesenchymal Stem Cells."

05/23/04: 100th International Conference of the American Thoracic Society (ATS), Orlando, Florida. "FGF2 Regulates Cellular Differentiation of Murine Mesenchymal Stem Cells"

2003

12/05/03: Tulane-LSU Clinical Immunology Seminar Series.

"Mesenchymal stem cells: Genomics to Cell Therapy."

05/31/03: 9th International Meeting of the International Society of Cell Therapy (ISCT), Phoenix, Az. "Engraftment of Murine Mesenchymal Stem Cells in Lung is Increased in Response to Bleomycin Exposure and Results in a Decrease in Lung Fibrosis Leading to a Generalized Improvement in the Health Status of Mice".

04/15/03: Hayward Genetics Center, Tulane University Health Sciences Center, New Orleans, LA. "Mesenchymal Stem Cells: Genomics to Cell Therapy."

2002

12/06/02: Tulane/LSU Joint Medicine Grand Rounds, Dept. of Medicine, TUHSC, New Orleans, LA. "Recent Advances in Stem Cell Research."

11/22/02: Dept. Cell and Molecular Biology, Tulane University, New Orleans, LA. "Mesenchymal Stem Cell Biology via SAGE."

11/13/02: Cardiology Grand Rounds, Department of Medicine, TUHSC, New Orleans, LA. "Insights in Mesenchymal Stem Cell Biology via SAGE."

10/14/02: Department of Cell Biology and Anatomy, Louisiana State University Health Sciences

- Center, New Orleans, LA. "Mesenchymal Stem Cell Biology via Serial Analysis of Gene Expression."
- 9/27/02: 2nd Annual Conference on Mesenchymal and Nonhematopoietic Stem Cells: Focus on Adult Stem Cells. New Orleans, LA. "Mesenchymal Stem Cell Biology via Serial Analysis of Gene Expression."
- 7/09/02: International Graduiertenkolleg, "Neuroplasticity: From Molecules to Systems." **Amboise, France.** "Mesenchymal Stem Cells: Biology and Potential Therapeutic Applications."
- 6/26/02: Department of Environmental and Occupational Health, School of Public Health, University of Pittsburg Medical Center, Pittsburg, PA. "Biology and Potential Therapeutic Applications of Mesenchymal Stem Cells."
- 2/22/02: ISBMT/ASBMT 2002 Tandem Bone Marrow Transplant Meeting Orlando, Florida. "Molecular Characterization of Marrow Mesenchymal Cells".

2001

- 10/14/01: Council on the Kidney in Cardiovascular Disease, American Heart Association Annual Buisness Meeting, San Franscisco, CA. "Recent Advances in Stem Cell Research."
- 10/02/02: Department of Veterinary Pharmacology and Toxicology School of Veterinary Medicine, University of California., Davis, CA. "Plasticity and Taxonomy of Mesenchymal Stem Cells."
- 10/01/01: Department of Pharmacology, Genentech Inc., South San Franscico, CA. "Plasticity and Taxonomy of Mesenchymal Stem Cells."
- 4/05/01: Biocenter Day 2001: Stem cell technology, legislation and ethics. **Oulu, Finland.** "Bone Marrow Stem Cells - Potential Use in Tissue Repair".
- 4/03/01: Cardiology Center, Russian Ministry of Public Health, **Moscow, Russia.** "Mesenchymal Stem Cells: Genomics to Gene Therapy."
- 3/23/01: Mesenchymal and nonhematopoietic stem cells: Recent progress and current controversies. International Society for Hematotherapy and Graft Engineering (ISHAGE), New Orleans, LA. "Molecular Phenotype of Marrow Stromal Cells and Their Relationship to Other Cells of Varying Developmental Potential."

2000

- 5/28/00: International Society for Hematotherapy and Graft Engineering 2000 Annual Meeting, San Diego, California. "Micro-SAGE Analysis of a Single Human Stromal Cell CFUF."
- 8/25/00: Dept. Biomedical Engineering, Johns Hopkins Univ. Sch. Med., Baltimore, MD "Mesenchymal Stem Cells: Genomics to Gene Therapy."
- 12/10/00: 40th Annual American Society for Cell Biology meeting, San Francisco, CA. "Engraftment, Expansion, and Differentiation of MSCs in the CNS."

1999

- 6/15/99: East Coast Connective Tissue Society, 19th Annual Meeting, N. I. H., Bethesda, MD. "Marrow Stromal Cells Behave as Neural Stem Cells Following Injection into Neonatal Mouse Brains."
- 9/15/99: Department of Surgery, Children's Hospital of Philadelphia, Philadelphia, PA. "Mesenchymal Stem Cells: Genomics to Gene Therapy."

UNIVERSITY SERVICE:

Academic Committees:

- 2008 Member, Regenerative and Restorative Medicine Task Force
- 2007- Member, Committee on Committees, Tulane University Senate
- 2007- Member, Immunology Search Committee, TUHSC
- 2007 Judging Committee, Tulane Research Days
- 2006- Voting Senator, Tulane University Senate
- 2005 Judging Committee, Tulane Research Days
- 2002- Research Affiliate, Tulane National Primate Research Center, Covington, LA

2001- Institutional Animal Care and Use Committee (IACUC), TUHSC
 2000- Member, Neuroscience Faculty Group, TUHSC
 Member, Molecular and Cellular Biology (MCB) Faculty, TUHSC
 1997-2000 Institute Animal Care and Use Committee (IACUC), MCP Hahnemann School of
 Medicine, Philadelphia, PA.
 1994-1995 Fellow Representative, Postdoctoral Review Committee, Fox Chase Cancer Center,
 Philadelphia, PA.

Administrative Positions:

2000- Supervisor, TaqMan (Real-Time) PCR Core Facility, Center for Gene Therapy, TUHSC
 Supervisor, Histology/Morphology Core Facility, Center for Gene Therapy, TUHSC
 Supervisor, Microscopy/Imaging Core Facility, Center for Gene Therapy, TUHSC

Teaching – Formally Scheduled Classes for Graduate and Medical Students

2007 (Fall, 1.25 hrs) Graduate Neuroscience (NSCI 711)
 2006 (Spring, 2 hrs) Molecular Medicine in Disease (Genetics 246)
 2005 (Spring, 2 hrs) Molecular Medicine in Disease (Genetics 246)
 (Spring, 2 hrs) Methods in Neuroscience
 (Spring 1.25 hrs) Biomedical Ethics (Cell 600)
 2004 (Spring, 2.5 hrs) Advanced Immunology (MI 762).
 2003 (Spring, 2 hrs) Gene 0246: Topics in Gene Delivery (LSU Health Sciences Center).
 (Fall, 2 hrs) Methods in Neuroscience.
 2002 (Spring, 2.5 hrs) Advanced Immunology (MI 762).
 2001 (Fall, 2 hrs) Methods in Neuroscience.
 1999, 2000 (Fall, 10 hrs) Medical Genetics: The Gene, Inborn Errors of Metabolism, Genetics of
 Common Diseases, Neoplasia, Cancer Screening, Genomics, and
 Gene Therapy.
 1997-2000 (Spring, 2 hrs) General Biochemistry
 1996 (Fall, 16 hrs) Graduate School Biochemistry Seminar

Students Mentored

Graduate Students

2005-	Wen-Tzu Lai (PhD)	Dept. Micro. & Immunol., Tulane University
2001-2002	Russ Auger (PhD)	Biomedical Engineering, Tulane University
1996-2000	Gene C. Kopen (PhD)	Dept. Path/Lab Med., MCP Hahnemann Univ.

Medical Students

2001 (Summer)	Erica Bayly	Tulane University Medical School
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Pre-doctoral Students

2006	Erica Stevens	Xavier University /SPRITE Program
	Chika C. Nwankwo	Xavier University /SPRITE Program
2005	Milton Rahmon Moore	Xavier University /SPRITE Program
2004-2005	Jaelithe Cropper	Univ. Manchester, England
2004-2005	Amitabh Pandey	Dept. Cell & Mol. Biol., Tulane University
2004	Ladadriel T. Eastman	Xavier University / SPRITE Program
2003-2004	Rebecca Robey	Univ. Manchester, England
2002-2003	Amy Asawachaicharn	Dept. Cell & Mol. Biol., Tulane University
	Catherine Hughes	Univ. Manchester, England
2001-2002	Katy Hill	Univ. Manchester, England
	Sally Humphries	Univ. Manchester, England
200-2001	Robin Wilkinson	Univ. Manchester, England
	Andy Gray	Univ. Manchester, England

1999-2000	David Ibberson	Univ. Manchester, England
1998-1999	Nicola Tremain	Univ. Manchester, England
1997-1998	Stephen Webster	Univ. Manchester, England
1996-1997	Annabel Semos	Univ. Manchester, England
1995-1996	Rivka Isaacson	Univ. Manchester, England

Doctoral Thesis Committees

Member:

2007-	Suzanne L. Tomchuck	Biomedical Sciences (BMS), Tulane University
2006-	Joni Henrik Yloslato	Mol. Cell. Biol., Tulane University
2005-	William G. Gunn	Mol. Cell. Biol., Tulane University
2005-2007	Matt Abrahams	Neuroscience, Tulane University
2001-2005	Ricky Haywood-Watson	Neuroscience, Tulane University
2001-2002	Russ Auger	Biomedical Engineering, Tulane University
1996-2000	Gene C. Kopen (PhD)	Dept. Path/Lab Med., MCP Hahnemann Univ.

Reader:

2004	Jason Smith	Mol. Cell. Biol., Tulane University
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ABSTRACTS:

1. Hooper, J. K., and **D. G. Phinney** (1988). A light-inducible gene is regulated by M^{2+} . *J. Cell Biol.* 107:535a.
2. **Phinney, D. G.**, and J. K. Hooper (1988). Induction of a light-inducible prokaryotic gene by chelation of metal ions and low pH. Fourth Internatl. Cong. Cell Biol. P8.5.28. Montreal, Canada.
3. **Phinney, D. G.**, and K. Ryder (1993). Distal upstream sequences are required for serum induction of junB. XIIIth Washington International Spring Symposium; Cell Cycle '93. 229.
4. **Phinney, D. G.**, and K. Ryder (1993). Multiple cis elements mediate growth factor induction of junB. Ninth Annual Meeting on Oncogenes. 396.
5. **Phinney, D. G.**, Keiper, C. L., Francis, M. K., Tseng, S. W., and Ryder, K. (1994). Quantitative analysis of the contribution made by 5'-flanking and 3'-flanking sequences to the transcriptional regulation of junB by growth factors. 10th Annual Meeting on Oncogenes. 406.
6. Francis, M. K., **Phinney, D. G.**, and Ryder, K. (1994). In vivo and in vitro analyses of jun-steroid receptor fusion genes. 10th Annual Meeting on Oncogenes. 405.
7. **Phinney, D. G.**, Tseng, Szu-Wen, and Ryder, K. (1995). Complex genetic organization of junB reflects the complex requirements for faithful expression. 11th Annual Meeting on Oncogenes.
8. Laptev, A. V., **Phinney, D. G.**, Isaacson, R. L., Prockop, D. J. (1996). Inhibition of marrow osteoprogenitor cell differentiation by murine osteoblasts. 6th International Conference on the Molecular Biology and Pathology of Matrix. *Matrix Biology* 15(3):189.
9. Laptev, A. V., **Phinney, D. G.**, Isaacson, R. L., Prockop, D. J. (1996). Murine bone-derived cells inhibit marrow stromal osteoprogenitor cell differentiation. Cambridge Symposia: Molecular Genetic Approaches to the Treatment of Genetic Disease. CS12-400.
10. Li, S. W., Arita, M., Kopen, G. C., **Phinney, D. G.**, Prockop, D. J. (1998) A 1,064 bp fragment from the promoter region of the Col11a2 gene drives LacZ expression not only in cartilage but also in osteoblasts adjacent to regions undergoing both endochondrial and intramembranous ossification in mouse embryos. 18th Annual Meeting of the East Coast Connective Tissue Soc.
11. Prockop, D. J., Azizi, S. A., **Phinney, D. G.**, Kopen, G. C., Schwarz, E. J. (1999). Stromal cells from bone marrow for cell and gene therapy of diseases of the central nervous system. 8th International Symposium on Neural Regeneration.
12. **Phinney, D. G.**, Kopen, G. C., Prockop, D. J. (2001). Murine MSCs transplanted into the CNS of neonatal mice expand up to 30-fold and persist at least 5 months without disruption to the host cell architecture. Mesenchymal and non-hematopoietic stem cells: Recent progress and

- current controversies. New Orleans, LA. *Cytotherapy* 2001; 3(5):421.
13. Wilkinson, R., Prockop, D. J., **Phinney, D. G.** (2001). Exposure to FGF2 induces murine MSCs to adopt morphologies resembling neurons and astrocytes, but fails to induce a pattern of gene expression characteristic of these lineages. *Mesenchymal and non-hematopoietic stem cells: Recent progress and current controversies.* New Orleans, LA. *Cytotherapy* 2001; 3(5):421.
 14. Gray, A., Ibberson, D., Prockop, D. J., **Phinney, D. G.** (2001). Profiles of Hox, Eph receptor, and FGF receptor gene expression in marrow stromal cells is most similar to stem cells derived from early mouse embryos. *Mesenchymal and non-hematopoietic stem cells: Recent progress and current controversies.* New Orleans, LA. *Cytotherapy* 2001; 3(5):419.
 15. Ortiz, L. A., Gambelli, F., **Phinney, D. G.** (2002). Murine mesenchymal stem cells in the treatment of bleomycin (BLM)-induced pulmonary fibrosis. 98th International Conference of the American Thoracic Society, Atlanta, Georgia.
 - *16. Baddoo, M., Hill, K., Wilkinson, R., **Phinney, D.G.** (2002). Characterization of mesenchymal progenitors purified from murine bone marrow by negative selection. 2nd Annual Conference on Mesenchymal and Nonhematopoietic Stem Cells: Focus on Adult Stem Cells, New Orleans, LA. *Cytotherapy* 2003; 5(2):178
 17. Baddoo, M., McBride, C., Gaupp, D., **Phinney, D.G.** (2002). Quantifying levels of transplanted murine and human mesenchymal stem cells in vivo by real-time PCR. 2nd Annual Conference on Mesenchymal and Nonhematopoietic Stem Cells: Focus on Adult Stem Cells, New Orleans, LA. *Cytotherapy* 2003; 5(2):178-179.
 18. Hughes, C., Humphries, S., Gray, A., Michelson, C., **Phinney, D.G.** (2002). SAGE analysis of clonal and non-clonal human mesenchymal stem cell populations: Comparative transcriptome analysis using SAGE macro suite. 2nd Annual Conference on Mesenchymal and Nonhematopoietic Stem Cells: Focus on Adult Stem Cells, New Orleans, LA. *Cytotherapy* 2003; 5(2):181.
 19. Ortiz, L. A., Gambelli, F., **Phinney, D. G.** (2003). Murine mesenchymal stem cells (MSCs) engraft as epithelial type II cells in the injured but not the normal mouse lung and alter metalloproteinase (MMP) expression levels. 99th Conference of the American Thoracic Society, Seattle, Washington.
 - *20. **Phinney, D. G.**, Ortiz, L. A., Gambelli, F., McBride, C., Baddoo, M., Gaupp, D. (2003). Engraftment of murine mesenchymal stem cells in lung is increased in response to bleomycin exposure and results in a decrease in lung fibrosis leading to a generalized improvement in the health status of mice. 9th International Meeting of the International Society of Cell Therapy (ISCT), Phoenix, AZ. *Cytotherapy* 2003; 5:475-476.
 21. Baddoo, M., Hill, K., Wilkinson, R., Gaupp, D., **Phinney, D. G.** (2003). Characterization of mesenchymal stem cells isolated from murine bone marrow by negative selection. 9th International Meeting of the International Society of Cell Therapy (ISCT), Phoenix, AZ. *Cytotherapy* 2003; 5:458.
 22. Hughes, C., Humphries, S., Gray, A., Michelson, C., **Phinney, D. G.** (2003). SAGE analysis of clonal and non-clonal human mesenchymal stem cell populations: comparative transcriptome analysis using SAGE macro suite. 9th International Meeting of the International Society of Cell Therapy (ISCT), Phoenix, AZ. *Cytotherapy* 2003; 5:459.
 23. Baddoo, M., Gaupp, D., Hill, K. **Phinney, D. G.** (2003). FGF2 stimulates growth and reversibly inhibits differentiation of mesenchymal stem cells purified from murine bone marrow by negative selection. 1st Annual Meeting of the International Society of Stem Cell Research (ISSCR), Washington, DC.
 24. Asawachaicharn, A., Gaupp, D., **Phinney, D. G.** (2003). Human mesenchymal stem cells express a variety of neuro-regulatory molecules and promote cell growth, dispersal, and neuritegenesis in SH-SY5Y neuroblastoma cells. 1st Annual Meeting of the International Society of Stem Cell Research (ISSCR), Washington, DC.
 25. **Phinney, D.G.**, Michelson, C., Hill, K. (2003). SAGE analysis of mesenchymal stem cells

- isolated from murine bone marrow by negative selection. 3rd Annual Conference on Mesenchymal and Non-Hematopoietic Stem Cells, New Orleans, LA. *Cytotherapy* 2004; 6:83.
26. Crigler, L., Asawachaicharn, A., Hughes, C., Gaupp, D., **Phinney, D.G.** (2003). Human mesenchymal stem cells express a variety of neuro-regulatory molecules and promote cell growth, dispersal, and neuritogenesis of SY5Y neuroblastoma cells. 3rd Annual Conference on Mesenchymal and Non-Hematopoietic Stem Cells, New Orleans, LA. *Cytotherapy* 2004; 6:75.
 27. Isakova, I., Baker, K., **Phinney, D. G.** (2004). Mesenchymal stem cell transplantation into the CNS of Rhesus macaques. 12th Annual International Symposium on Recent Advances in Stem Cell Transplantation. Heidelberg, Germany.
 28. Robey, R., Crigler, L., Asawachaicharn, A., **Phinney, D. G.** (2004). Human mesenchymal stem cells (MSCs) express a variety of neuro-regulatory molecules and promoter survival and neuritogenesis of neurons: Identification of neurotrophin expressing sub populations. 10th Annual Meeting of the International Society of Cellular Therapy (ISCT), Dublin, Ireland. *Cytotherapy* 2004; 6(4):434.
 29. **Phinney, D. G.**, Hill, K., Michelson, C., Wilkinson, R., Baddoo, M. (2004). The Transcriptome of Mesenchymal Stem Cells Isolated From Murine Bone Marrow by Negative Selection. 10th Annual Meeting of the International Society of Cellular Therapy (ISCT), Dublin, Ireland. *Cytotherapy* 2004; 6(4):423.
 30. Ortiz, L. A., Gambelli, F., **Phinney, D. G.**, Reynolds, P., Reynolds, S., Stripp, B. (2004). Sequential expression of BMP receptors and suppression of FGF2 characterize the Differentiation of embryonic stem cells to alveolar epithelium. 100th International Conference of the American Thoracic Society (ATS), Orlando, Florida.
 31. Zappia E, Casazza S, Benvenuto F, Pedemonte E, Giunti D, Sessarego N, Frassoni F, **Phinney, D**, Mancardi GL, Uccelli A. (2004). Immunosuppressive mesenchymal stem cells as treatment For experimental autoimmune encephalomyelitis. 7th International Congress of Neuroimmunology, Venice, Italy.
 32. **Phinney, D. G.**, Michelson, C. (2004). A SAGE view of stemness. 2nd Annual Meeting of the International Society for Stem Cell Research (ISSCR), Boston, MA.
 33. Robey, R. C., Crigler, L., Asawachaicharn, A., **Phinney, D. G.** (2004). Human mesenchymal stem cells (MSCs) express a variety of neuro-regulatory molecules and promote neuronal cell survival and neuritogenesis. 4th Annual Conference on Mesenchymal and Non-Hematopoietic Stem Cells, New Orleans, LA.
 34. **Phinney, D. G.**, Hill, K., Michelson, C., Humphries, S., Wilkinson, R., Baddoo, M., Bayly, E., DuTreil, M. (2004). Biological activities encoded by the murine mesenchymal stem cell transcriptome provide a basis for their developmental potential and broad clinical efficacy. 4th Annual Conference on Mesenchymal and Non-hematopoietic Stem Cells, New Orleans, LA.
 - *35. Isakova, I. A., Baker, K., Dufour, J., Gaupp, D., **Phinney, D. G.** (2004). Quantitative assessment of MSC engraftment in the CNS of non-human primates and its effect on behavior and motor performance. 4th Annual Conference on Mesenchymal and Non-hematopoietic Stem Cells, New Orleans, LA.
 36. Crigler, L., Robey, R., Asawachaicharn, A., **Phinney, D. G.** (2004). Identification and analysis of neurotrophin-expressing human marrow stromal cell (MSC) subpopulations. 34th Annual Meeting of the Society for Neuroscience, San Diego, CA.
 37. Isakova, I. A., Baker, K., Dufour, J., **Phinney, D. G.** (2004). Mesenchymal stem cell transplantation into the CNS of adult rhesus macaques. 34th Annual Meeting of the Society for Neuroscience, San Diego, CA.
 38. Pandey, A. C., Baddoo, M., **Phinney, D. G.** (2005). Sub-populations of murine mesenchymal stem cells express interleukin 1 receptor antagonist. American Federation for Medical Research, Southern Regional Meeting, New Orleans, LA . *J. Invest. Med.* 53(1):S317.
 39. Pandey, A. C., Baddoo, M., **Phinney, D. G.** (2005). Expression of interleukin 1 receptor antagonist in subpopulations of murine mesenchymal stem cells. Federation of American

Society for Experimental Biology (FASEB) Annual Meeting, San Diego, CA. FASEB J. 19(4):A851.

- * 40. Pandey, A. C., DuTreil, M., **Phinney, D. G.** (2005). Expression of interleukin 1 receptor antagonist in sub-populations of murine mesenchymal stem cells. Summer Cancer Research Internship, Louisiana State University Health Sciences Center, New Orleans, LA.
- 41. Pandey, A.C., Dutreil, M.F., **Phinney, D.G.** (2006). Sub-populations of murine mesenchymal stem cells express interleukin 1 receptor antagonist. American Federation of Medical Research (AFMR) Southern Regional Meeting, Atlanta, GA. J. Investigative Med. 2006; 54:S283.
- 42. Pandey, A.C., DuTreil, M.F., **Phinney, D.G.** (2006). Interaction between murine mesenchymal stem cells and T-cell proliferation: role of interleukin 1 receptor antagonist. Federation of American Society for Experimental Biology (FASEB), San Francisco, CA. FASEB J. 20:A532.
- 43. Lai, W-T., DuTreil, M., **Phinney, D. G.** (2006). FGF2 modulates the activity of Wnt and MAPK signaling intermediates to inhibit multi-lineage differentiation of murine mesenchymal stem cells. 4th Annual Meeting of the International Society of Stem Cell Research (ISSCR), Toronto, Canada.
- 44. Ortiz, L. A., Pandey, A., DuTreil, M., **Phinney, D. G.** (2006). Isolation and characterization of MSC subpopulations expressing interleukin 1 receptor antagonist. 14th International Colloquium of Lung Fibrosis, Reinhartshausen, Germany.
- 45. Barrilleaux, B. L., **Phinney, D. G.**, Fischer-Valuck, B. W., Gonzales, R. B., Prockop, D. J., O'Connor K. C. (2006). Donor variation in proliferation and multipotency of human bone marrow stromal cells. Annual Meeting of the American Institute of Chemical Engineers (AIChE), San Francisco, CA.
- 46. Isakova, I. A., Baker, K. C., Dufour, J., Gaupp, D., **Phinney, D. G.** (2006). Enhanced MSC engraftment in the CNS of neonatal vs. young-adult macaques following direct intracranial injection: potential for therapy. 36th Annual Meeting of the Society for Neuroscience, Atlanta, Georgia.
- 47. Pandey, A.C., Dutreil, M.F., **Phinney, D.G.** (2007). Endogenous expression of interleukin 1 receptor antagonist isoforms by murine mesenchymal stem cells. American Federation of Medical Research (AFMR) Southern Regional Meeting, New Orleans, LA. J. Investigative Med. 2007; 55:S288-S289
- 48. Lai, W-T., DuTreil, M., **Phinney, D. G.** (2007). FGF2 modulates the activity of Wnt and MAPK signaling intermediates to inhibit multi-lineage differentiation of murine mesenchymal stem cells. 18th Annual Tulane University Health Science Center Research Days, New Orleans, LA.
- † 49. Pandey, A. C., DuTreil, M., **Phinney, D. G.** (2007). Identification of a unique sub-population of murine mesenchymal stem cells that express interleukin 1 receptor antagonist. 18th Annual Tulane University Health Science Center Research Days, New Orleans, LA.
- 50. **Phinney, D. G.**, Lai, W-T., Dutreil, M. F. (2007) FGF2 modulates the activity of Wnt and MAPK signaling intermediates to inhibit multi-lineage differentiation of murine mesenchymal stem cells. 5th Annual Meeting of the International Society of Stem Cell Research (ISSCR), Cairns, Australia.
- 51. Dutreil, M. F., and **Phinney, D. G.** (2007). Characterization of human mesenchymal stem cell subpopulations expressing adhesion molecules and guidance receptors that mediate neuronal cell migration in the CNS. 5th Annual Meeting of the International Society of Stem Cell Research (ISSCR), Cairns, Australia.
- 52. Altman, A. M., **Phinney, D. G.**, Bai, X., Alt, E. U., Chiu, E. S. (2007). Delivery of human adipose derived stem cells using acellular dermal matrix. American Society of Plastic Surgery 2007 Annual Meeting, October 26-31, Baltimore, MD.
- 53. Barrilleaux, B., Russell, K., **Phinney, D. G.**, Prockop, D. J., O'Connor, K. (2007). Factors

influencing the formation of confluent and stable co-cultures of human bone marrow stromal and bronchial epithelial cells. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, Utah.

54. Barrilleaux, B., Russell, K., **Phinney, D. G.**, Prockop, D. J., O'Connor, K. (2007). Factors influencing the formation of confluent and stable co-cultures of human bone marrow stromal and bronchial epithelial cells. Annual Meeting of the Biomedical Engineering Society, Los Angeles, California.
55. Isakova, I. A., Baker, K. C., Dutreil, M., Dufour, J., Gaupp, D., **Phinney, D. G.** (2007). Therapeutic potential of mesenchymal stem cells for neurological disorders of the central nervous system. 37th Annual meeting of the Society for Neuroscience, November 3-7, San Diego, CA.
56. Isakova, I. A., Baker, K. C., Dufour, J., Gaupp, D., **Phinney, D. G.** (2008). MSC sub populations expressing neural adhesion molecules and receptors for migration cues as candidates for therapy of neurodegenerative disorders. 14th Annual Meeting of the International Society of Cell Therapy (ISCT), May 17-20, Miami, FL.
57. Ortiz, L.A., DiGiuseppe, M., **Phinney, D. G.** (2008). Interleukin 1 receptor antagonist mediates the anti-inflammatory effects of bone marrow derived mesenchymal stem cells. 103rd International Conference of the American Thoracic Society (ATS), Toronto, Canada. Am. J. Respir. Crit. Care Med. 177: A723.
58. DiGiuseppe, M., Njah, J.M., Fazzi, F., **Phinney, D.G.**, Ortiz, L.A. (2008) Osteopontin and hyaluronate regulate mesenchymal stem cells migration. 103rd International Conference of the American Thoracic Society (ATS), Toronto, Canada. Am. J. Respir. Crit. Care Med. 177: A511.

* **Best Abstract Award**

+ **Dean of School of Medicine Award for Excellence in Research and Presentation by a Medical Student (Amitabh C. Pandey).**