Curriculum Vitae

Name: Rafael de Cabo
Address: Laboratory of Experimental Gerontology, NIA, NIH
251 Bayview Blvd.
Suite 100/Room 9C218
Baltimore, MD 21224

Date and Place of Birth: January 23, 1968, Córdoba, Spain
Citizenship: Spanish, US, Permanent Resident
Marital Status: Married
Languages: Fluent in Spanish and English

Education:

Sept 1988 – Sept 1993 BS- and MS-equivalent in Cellular and Molecular Biology ("Licenciado en Ciencias Biológicas") Córdoba University, Córdoba, Spain
Aug 1994 –Mar 2000 Ph.D., Nutrition, Purdue University**,** West Lafayette, IN

Scientific Training:

Sept 1988 – Sept 1993 ***Proctor and Research Assistant****, Department of Cell Biology and Histology*, Córdoba University, SPAIN
Oct 1993 – Aug 1994 ***Visiting Research Scholar****, Department of Medicinal Chemistry and Pharmacognosy*, Purdue University, West Lafayette, IN
Aug 1994 – Mar 2000 ***Graduate Student,*** *Department of Foods and Nutrition*, Purdue University, West Lafayette, IN
Apr 2000 – Sept 2004 ***Postdoctoral Fellow****, Intramural Research Training Award, Laboratory of Neurosciences*, NIA, NIH, Baltimore, MD

Positions:

Oct 2004 – March 2009 ***Tenure Track Investigator***, Laboratory of Experimental Gerontology, NIA, NIH, Baltimore, MD
March 2009 – Present ***Senior Investigator***, Laboratory of Experimental Gerontology, NIA, NIH, Baltimore, MD

Honors and Awards:

2010 Fellow of the Gerontological Society of America
2006 Elected Member of the Board of Directors, American Aging Association (4 year term)
2006 Nathan Shock New Investigator Award of the Gerontological Society of America
2005 CERA (The Centre for Education and Research on Ageing) Visiting professor, University of Sydney and Concord Hospital, Sydney, Australia, 2006
2004-present Awards for Research Excellence and travel awards to conferences to laboratory members each year by different organizations (American Aging Association, FASEB and *Fellows Award for Research Excellence (NIH)*)
2004 Young Scientist Award presented at the 26th conference of the Shock Society

2003	Paul E. Glenn Runner-Up Award for Meritorious Research from The American Aging Association
2001	Paul E. Glenn Award for Meritorious Research from The American Aging Association

Grant panels

Sept 2005	Genesis Oncology Trust, New Zealand
Jan 2007 – Present	Spanish Ministry of Science and Education. Fisiologia y Farmacologia en la Agencia Nacional de Evaluación y Prospectiva ("ANEP")
Jan 2008 – Present	American Federation for Aging Research and Ellison Medical Foundation
Apr 2008	Nathan Shock Pilot Award. Nathan Shock Center at University of Texas, Health Science Center at San Antonio ("UTHSCSA")
July 2008	National Science Foundation, USA
July 2008	Biotechnology and Biological Sciences Research Council, UK

Grants and Research Support:

National Institute on Aging, NIH Intramural Research Program, 2004-Present

Regulación de la biosíntesis del coenzima Q en eucariontes, Universidad Pablo de Olavide (BMC2002-01602). PI: Plácido Navas Lloret, 2003-2005 (No direct funding associated with the grant to AMNU)

Role of quinone reductase activity in the control of proliferation and senescence in animal cells, Universidad de Córdoba. PI: José Manuel Villalba, 2006-2010 (No direct funding associated with the grant to AMNU)

Exercise and Calorie Restriction Mimetics on Biomarkers of Health and Longevity, NIA Intramural funding for Interlaboratory Collaboration, PI, 2006-2007

Resveratrol's Effect on Diet-Induced Obesity in Rhesus Macaques, NIA Intramural funding for Interlaboratory Collaboration, co-PI, 2006-2008

Modulation of Aging Processes by the Plasma Membrane Redox System (PMRS), NIA Intramural funding for Interlaboratory Collaboration, PI, 2006-2008

Influence of HuR and HuR-Regulated SIRT1 on Melanoma, NIA Intramural funding for Interlaboratory Collaboration, co-PI, 2005-2006

Consequences of Modulating SIRT1 Activity and Expression Levels in a Melanoma Cancer Model, NIA Intramural funding for Interlaboratory Collaboration, co-PI, 2006-2007

Sirtuins and the molecular epidemiology of frailty in older men, University of Sydney and Centre for Education and Research on Ageing (NHMRC). PI: Robert Cumming, 2007-2011 (No direct funding associated with the grant to AMNU)

Dietary restriction, aging and the proteosome, NIH RO1. University of Kentucky. PI: Jeffrey Keller, 2005-2009 (No direct funding associated with the grant to AMNU)

Caloric restriction, ageing and the liver sinusoidal endothelium, University of Sydney and Centre for Education and Research on Ageing (NHMRC 464833). PI: David LeCouteur, 2006-2010 (No direct funding associated with the grant to AMNU)

The effect of maternal diet supplementation with blueberries on outcomes from hypoxic-ischemic injury in rat pups. High Bush Blueberry Council. NIA and Johns Hopkins University. PI: Rafael de Cabo, Anne Burke and Cynthia Holcroft, 2005-2006

Effects of trans-resveratrol on diet induced obesity in non-human primates, Office of Dietary Supplements, NIH. PI: Kevin Pearson, Rafael de Cabo, Julie Mattison, 2009-2010

Editorial Boards:

Nov 2007 - Present . Aging Cell
Oct 2008 – Present. AGE
Jan 2010 – Present. Editor in Chief, Journal of Gerontology Biological Sciences
Jan 2010 – Present. BBA-Molecular Mechanisms of Disease

Journal Reviewer:

Ageing Research Reviews, Aging Cell, Bioscience Reports, BMC Neuroscience, Brain Research, Cell, Experimental Aging Research, Experimental Biology and Medicine, Experimental Gerontology, Free Radicals in Biology and Medicine, Gerontology, Journal of Anti-Aging Medicine, Journal of Biological Chemistry, Journal of Cell Science, Journal of Gerontology, Journal of Cellular and Molecular Medicine, Journal of Neurochemistry, Journal of Neuroscience Methods, Journal of the American Aging Association, Mechanisms of Ageing and Development, Nature, Nature Comunications, Neurobiology of Aging, New England Journal of Medicine, PLoS Biology, PLoS Medicine, PLoS One, Proceedings of the National Academy of Science, Science, Nutrition

Meeting Organization

First International Meeting on Aging June 2008, University of Sao Paulo at Araras, Brazil

Vice-Chair of the 2009 Gordon Conference on the Biology of Aging

Co-Chair of the 2010 Gordon Conference on the Biology of Aging

Co-Chair of the 2010 International Workshop on **Future Perspectives on Aging Research**, Seville, Spain

Teaching Experience:

Aug 1994 – April 2000	Teaching Assistant, Department of Foods and Nutrition **Purdue University, West Lafayette, IN**
Aug 2000 – May 2004	Invited Lecturer, Physiology of Aging Graduate Course **College of Notre Dame of Maryland, Baltimore, MD**
Jan 2001 – Oct 2003	Invited Lecturer to Graduate Course, "Análisis Experimental en Biología" **Universidad Pablo de Olavide, Sevilla, Spain**
Oct 2003 – Present	Lecturer, Department of Environmental Sciences, Area of Cell Biology, Graduate course "Subcellular fractionation and characterization methods". **Universidad Pablo de Olavide, Sevilla, Spain**
Oct 2008 – Present	Lecturer, Department of Cell Biology and Biochemistry, Area of Cell Biology, Graduate course "Nutrition and Aging". **Universidad de Cordoba, Cordoba, Spain**

Mentorship:

Michelle Rios, Student IRTA (2000-02) NMPU, Laboratory of Neurosciences.
CURRENT POSITION: Microbiologist. Infection Control Devices Branch. FDA
Maria Jimenez, Student (2001-02) NMPU, Laboratory of Neurosciences.

CURRENT POSITION: Postdoctoral Fellow, Universidad de Sevilla

Demetrio Sierra, Student IRTA (2004-05) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate School, U Puerto Rico

Bruce Jones, Student IRTA (2004-05) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate School, Cambridge, UK

Kara Duffy, Student/technical IRTA (2001-05) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate School, U. of Maryland

Sarah Hilmer, M.D. Ph.D. Visiting Fellow (2004-05) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION:Assistant Profesor, U. Sydney, Australia

Hamish Jamieson, M.D. Visiting Fellow (2006) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Geriatrics Med. Resident, U. Sydney

Marta Montori Grau, Student (2006) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate Student, U. Barcelona

Stuart Músala, Student IRTA (2005) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Medical School, Drexler U.

Nathan Price, Student IRTA (2005-06) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate School, Harvard U.

Avash Kalra, Student IRTA (2005-06) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Boonshoft School of Medicine, Wright State University, Dayton, OH

Scott Emerson, Student IRTA (2005) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Medical School. Baylor University.

Joe Hernandez , Student IRTA (2005) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Medical School, University of California San Francisco

Nicole Hunt, Postdoctoral IRTA (2005-2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Applying for faculty positions in Alabama/Louisiana

Dong-Hoon Hyun, Postdoctoral IRTA (2004-2007) AMNU, Laboratory of Experimental Gerontology and Laboratory of Neurosciences
CURRENT POSITION: Assistant Professor, Ewha Womans University, Seul, Korea

Carolina Smith, Contractor (2006-2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Program assistant at NIDA

Arelys Ramos, Student IRTA (2006-2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Medical School, University of Puerto Rico

Davida Kamara, Student IRTA (2006-2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Research Assistant at Dupont

Cristina Fernandez, Visiting Student (2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate Student, University of Cordoba

Maria Cascajo Almenara, Visiting Student (2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate Student, Universidad Pablo de Olavide

Lijuan Liu, Contractor (2004-2007) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Biologist, Johns Hopkins University

Joe Baur, Visiting fellow (2005-08) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Assistant Professor at University of Pennsylvania

Silvia Mata, Visiting Student (2008) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Graduate Student, University of Barcelona

Evi Marie Mercken, Visiting Student (2008) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Postdoctoral Fellow, University of Maastritch and AMNU

Kevin Pearson, Postdoctoral Fellow (2005-09) AMNU, Laboratory of Experimental Gerontology
CURRENT POSITION: Assistant Professor, University of Kentucky

Joanne Allard, Postdoctoral Fellow (2004-2010) AMNU, Laboratory of Experimental Gerontology:
CURRENT POSITION: Assistant Professor, Howard University (Starting spring 2010)

Professional and Academic Activities:

President, Department of Foods and Nutrition Graduate Students Committee (1996 – 2000)
Senator, Purdue University Student Government (1997 – 1998)
Chair of the Student Chapter Committee of the American Aging Association
Organizer of the Calorie Restriction Interest Group at NIA
Representative for the Biological Sciences Section to the GSA Membership Committee
Co-Chair for the Program Committee of the Gerontological Society of America

NIH Citizenship and Related Activities:

Organizer of the Eos and Tithonus (aging research interest group)
NIA Tenure Track Representative at NIH
Search Committee for Tenure Track Investigator for LNS
Search Committee for Staff Scientist for LPC
Search Committee for Tenure Track Investigator for LEG
Search Committee for Staff Scientist for LNG

CRADA:

SIRTRIS pharmaceuticals. Effects on health and longevity of C57BL/6J mice of novel sirtuin activators 2007-2014.

Societies:

American Society for Cell Biology
American Aging Association
Gerontological Society of America
American Association for the Advancement of Science

Invited Lectures:

1. **de Cabo, R.** Gonzalez-Reyes, J.A. and Navas, P. Ascorbate free radical facilitates $G_0 \rightarrow G_1$ transition in onion roots quiescent cells. Biochemical Mechanism Involved in Growth Regulation (BMGR), International Symposium. 1991, Milan, Italy.
2. Navas. P., **de Cabo, R.**, Navarro, F., Rodriguez-Aguilera, J.C., Gonzalez-Reyes, J.A. and Buron, I. Ascorbate facilitates the transit from quiescent to division in eukaryotic cells. Texas Society for Electron Microscopy. 1991, Clear Lake, TX.
3. **de Cabo, R**. An in vitro model of enhanced stress responsiveness by caloric restriction: A novel method for evaluation of possible mechanisms and candidate caloric restriction mimetics. American Aging Association. June 2001. Madison, WI.
4. **de Cabo, R**. An in vitro model to study caloric restriction. Universidad Pablo de Olavide, Sevilla. October 2001, Sevilla, Spain.
5. **de Cabo, R**. Age and calorie restriction effects on C57BL/6 liver plasma membrane antioxidant redox system. Universidad Pablo de Olavide, Sevilla. February 2002, Sevilla, Spain.
6. **de Cabo, R**. 2002 Plasma Membrane Redox System During Aging and Caloric Restriction. American Aging Association. 2002, San Diego, CA.

7. **de Cabo, R.** Plasma membrane redox system: possible role on the underlying mechanisms of calorie restriction. Current Perspectives on the Mechanisms of Caloric Restriction. 2002, Bandera TX.

8. **de Cabo, R.** Aging and calorie restriction: effects on intraperitoneal macrophages. 2002, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD.

9. **de Cabo, R.** The plasma membrane redox system during aging and calorie restriction. Workshop on Molecular Biology and Function of Plasma Membrane Redox, UCLA, USA, March 2004, Los Angeles, CA.

10. **de Cabo, R**. Development and characterization of a novel in vitro model to study caloric restriction. Universidad Nacional de Colombia. September 2003, Bogotá, Colombia.

11. **de Cabo, R**. Is the messenger for the cytoprotective effects of calorie restriction in the blood? Gerontology Society of America, San Diego, CA. November 2004, San Diego, CA.

12. **de Cabo, R.** Eat less, live longer. Department of Pediatrics, University of Maryland, School of Medicine. March 2004, Baltimore, MD.

13. **de Cabo, R.** New insights on mechanisms of calorie restriction: An in vitro model and the plasma membrane redox system. Department of Animal and Avian Sciences. University of Maryland. October 2004, College Park, MD.

14. **de Cabo, R.** Eat less, live longer: Caloric restriction and aging. Depts. of Biol. Sciences and Chemistry. Goucher College. November 2004, Baltimore, MD.

15. **de Cabo, R.** Calorie restriction and aging alter rat liver plasma membrane antioxidant system. Marion Bessin Liver Research Center. Albert Einstein College of Medicine. November 2004, New York, NY.

16. **de Cabo, R.** Biology of Aging Lecture. Dept. of Biological Sciences. Johns Hopkins University. April 2005, Baltimore, MD.

17. **de Cabo, R.** Calorie restriction and aging alter rat liver plasma membrane antioxidant system. University of Kentucky Sanders Brown Center on Aging. May 2005, Lexington, KY.

18. **de Cabo, R.** New insights on mechanisms of calorie restriction: An in vitro model and the plasma membrane redox system. University of Washington. May 2005, Seattle, WA.

19. **de Cabo, R.** Biology of Aging Lecture. ANZAC center. November 2005, Sidney, Australia.

20. **de Cabo, R.** New insights on mechanisms of calorie restriction: An in vitro model and the plasma membrane redox system. Concord Hospital. November 2005, Concord, Sydney, Australia.

21. **de Cabo, R.** Biology of aging and calorie restriction lecture. Oxford Hospital. November 2005, Oxford, Sidney, Australia.

22. **de Cabo, R.** More and better mitochondria: A key anti-aging mechanism of caloric restriction. Department of Biotechnology. University of Natural Resources and Applied Life Sciences. November, 2005 Vienna, Austria.

23. **de Cabo, R.** Mechanisms of calorie restriction: an in vitro model and the plasma membrane redox system. Institute for Biomedical Aging Research of the Austrian Academy of Sciences. November 2005, Innsbruck, Austria.

24. **de Cabo, R.** Biology of aging and calorie restriction lecture. The Johns Hopkins University Department of Psychological and Brain Sciences. May 2006, Baltimore, MD.

25. **de Cabo, R.** Effects of Resveratrol in mice on a high calorie diet. The Johns Hopkins University Department of Biology. June 2006, Baltimore, MD.

26. **de Cabo, R.** Effects of Resveratrol in mice on a high calorie diet. Novartis. January 2007, Boston, MA.
27. **de Cabo, R.** Lifespan extension by Resveratrol. January 2007, Verbier, Switzerland.
28. **de Cabo, R.** In Vino Veritas, Manipulando el Envejecimiento y la Longevidad. Universidad de Cordoba. March 2007, Córdoba, Spain.
29. **de Cabo, R.** Lifespan extension by Resveratrol. AGE meeting. June 2007, San Antonio, TX.
30. **de Cabo, R.** Aging and calorie restriction: effects on intraperitoneal macrophages. FASEB Summer conference. July 2007, Tucson, AZ.
31. **de Cabo, R.** Lifespan extension by Resveratrol. Gordon Conference on the Biology of Aging. September 2007, Les Diablerets, Switzerland.
32. **de Cabo, R.** Lifespan Extension by Resveratrol, a Toast to Longevity? University of Maryland School of Medicine. February 2008, Baltimore, MD.
33. **de Cabo, R.** Lifespan Extension by Resveratrol, a Toast to Longevity? Oregon National Primate Research Center. Oregon Health Science University. April 2008, Portland, OR.
34. **de Cabo, R.** Calorie Restriction in Aging Research: Where Have We Been and Where Are We Going? October 2008, Bandera, San Antonio**,** TX.
35. **de Cabo, R.** Lifespan extension by Resveratrol. November 2008, Phoenix, AZ.
36. **de Cabo. R.** Interventions for Healthy Aging. Gerontological Society of America. November 2008, Washington DC.
37. **de Cabo. R.** Lifespan Extension by Resveratrol, a Toast to Longevity? University of Maastricht, Netherlands. February 2009, Netherlands.
38. **de Cabo. R.** Interventions for Healthy Aging and Longevity: Is There a Fountain of Youth? University of Washington at Saint Louis. March 2009, Saint Louis, MO.
39. **de Cabo. R.** Interventions for Healthy Aging and Longevity: Is There a Fountain of Youth? Pennington Research Center. April, 2009, Baton Rouge, LA.
40. **de Cabo. R.** Nrf2 mediates cancer protection but not pro-longevity induced by caloric restriction. November 2009, Madrid, Spain.
41. **de Cabo. R.** Nrf2 mediates cancer protection but not pro-longevity induced by caloric restriction. November 2009, Washington DC.
42. **de Cabo. R.** Pharmacological Interventions for Healthy Aging and Longevity: Is There a Fountain of Youth? November 2009, Florence, Italy.
43. **de Cabo. R.** Pharmacological Interventions for the Improvement of Health and Longevity. International Workshop on Future Perspectives on Aging Research, Seville, Spain
44. **de Cabo. R.** Interventions for Healthy Aging; Resveratrol and other SIRT1 activating compounds. Forum on the Basic Biology of Aging. March 2010. Cordoba, Spain.
45. **de Cabo. R.** Resveratrol and Longevity; Controversies. Meeting on Controversies on Aging and Longevity. June 2010, Barcelona, Spain.
46. **de Cabo. R.** Resveratrol induces health and lifespan extension in C57Bl6 mice. Seminar Series CSIC. June 2010, Barcelona, Spain.
47. **de Cabo. R.** Calorie Restriction: Is It All About Appetite? Internatioanl Conference on Neuroendocrinology of aging, August 2010. Bregenz, Austria.

48. **de Cabo. R.** Resveratrol, from mice to monkeys. August 2010. Basel, Switzerland.

49. **de Cabo. R.** Metabolic Interventions for Healthy Aging. Activating SIRT1. Cold Spring Harbor Meeting on Molecular Genetics of Aging. September 2010. Cold Spring Harbor Laboratories, New York.

50. **de Cabo. R.** SRT1720 induces Healthy Aging and Longevity in Mice on a High fat diet. October 2010, Palermo, Italy.

51. **de Cabo R.** Pharnacological Interventions for Healthy Aging and Longevity: Resveratrol and SRT1720. Gerontological Society of America, November 2010. New Orleans

52. **de Cabo. R.** Calorie Restriction induces Nrf2 and mediates cancer protection but not pro-longevity induced by caloric restriction. Ninth Annual International Conference on Frontiers in Cancer Prevention Research. November 2010, Philadelphia

53. **de Cabo. R.** Calorie Restriction and Aging; an update. 52nd American Society of Hematology meeting. December 2010, Orlando, Florida.

Plenary and Named Lectures:

1. **de Cabo, R.** Calorie restriction and aging alter rat liver plasma membrane antioxidant system. CERA. November 2005, Sidney, Australia.

2. **de Cabo, R.** New insights into mechanisms of Calorie restriction. Gerontological Society of America. Nathan Shock New Investigator Award Lecture. 2006, Dallas, TX.

3. **de Cabo, R.** Calorie restriction and exercise. FEMEDE. October 2007, Sevilla, Spain.

4. **de Cabo. R.** Interventions for Healthy Aging and Longevity: Is There a Fountain of Youth? NIH Director Seminar Series. January 2009. NIH, Washington D.C.

5. **de Cabo. R.** Lifespan Extension by Resveratrol, a Toast to Longevity? SENBA (Spanish Society for Basic and Applied Nutrition). March 2009. Cordoba, Spain.

6. **de Cabo. R.** Healthspan Extension by Resveratrol from Mice to Monkeys. World Health Forum at the Italian Embassy. October 2010. Washington D.C.

7. **de Cabo, R.** New insights into mechanisms of Calorie restriction. Second Bi-national conference on aging. Santiago de Chile, December 2010. Chile.

Reviews and Book Chapters:

1. Lane, M. A., **de Cabo, R**., Mattison, J., Anson, R. M., Roth, G. S. and Ingram, D. K. The Roy Walford legacy: Diet restriction from molecules to mice to monkeys to man and onto mimetics. *Exp Gerontol.* 2004, 39(6):897-902.

2. Ingram, D.K., Anson, R.M., **de Cabo, R**., Mattison, J., Mamczarz, J., Zhu, M., Lane, M. A. and Roth, G. S. Development of calorie restriction mimetics as a prolongevity strategy**.** *Ann N Y Acad Sci*. 2004, 1019:412-423.

3. Anson, R.M., Jones, B. and **de Cabo, R.** The diet restriction paradigm: A brief review of the effects of every- other- day feeding. *AGE*. 2005, 27(1): 17-25.

4. Navas, P., and **de Cabo R.** Plasma membrane and aging. Guest editorial. *AGE*. 2005, 27 (2): 127.

5. Ingram, D.K., Zhu, M., Mamczarz, J., Zou, S., Lane, M.A., Roth, G.S. and **de Cabo, R.** Calorie restriction mimetics: an emerging research field. Aging Cell. 2006, 5(2):97-108. [PubMed ID: 16626389].

6. Hyun, D.H., Hernandez, J.O., Mattson, M.P. and **de Cabo, R.** The plasma membrane redox system in aging. *Aging Research Rev*. 2006, 5: 209-220. [PubMed ID: 16697277].

7. Hunt, N., Hyun, D.H., Allard, J., Minor, R., Ingram, D.K. and **de Cabo, R.** Bioenergetics of aging and caloric restriction. *Aging Research Rev*. 2006, 5:125-143. [PubMed ID: 16644290].

8. Ingram, D. K., Roth, G.S., Lane, M. A., Ottinger, M.A., Zuo, S., **de Cabo, R**., and Mattison, J. The potential for diet restriction to increase longevity in humans: extrapolation from monkey studies. *Biogerontology,* 2006, 7(3):143-8. [PubMed ID: 16732404].

9. Minor, R.K., Smith, C.I., **de Cabo, R.,** Ingram, D.K. Food for life: Maximizing lifespan through the diet *Agro Food Industry Hi-Tech.* 2007, 18 (1): 36-39.

10. Le Couteur, D.G., Warren, A., Cogger, *V.C.,* Smedsrød, B., Sorensen, K.K., **de Cabo, R.,** Fraser, R. and McCuskey, R.S. Old age and the hepatic sinusoid. *Anat Rec (Hoboken).* 2008, 291(6):672-83. [PubMed ID: 18484614].

11. Navas, P., Villalba, J.M., and **de Cabo, R**. The importance of plasma membrane coenzyme Q in aging and stress responses. *Mitochondrion.* 2007 Suppl 1:S34-40. [PubMed ID: 17482527].

12. Lluch, G.L., Irusta, P.M., Navas, P, **de Cabo, R**. Mitochondrial biogenesis and healthy aging. *Exp Gerontol.* 2008, 43(9):813-9. [PubMed ID: 18662766].

13. Gorospe, M., and de **Cabo, R.** AsSIRTing the DNA damage response. *Trends Cell Biol.* 2008, 18(2):77-83. [PubMed ID: 18215521].

14. Ungvari, Z., Fernandez-Parrado, C., Csiszar, A., and **de Cabo, R.** Mechanisms underlying caloric restriction and life span regulation: implications for vascular aging. *Circ Res.* 2008, 102:519-28. [PubMed ID: 18340017].

15. Allard, J.S., Perez, E., Zou, S. and **de Cabo, R.** Dietary activators of Sirt1. *Mol Cell Endocrinol.* 2009, 299:58-63. [PubMed ID: 19010386].

16. Minor, R.K., Chang, J.W., and **de Cabo, R.** Hungry for life: How the arcuate nucleus and neuropeptide Y may play a critical role in mediating the benefits of calorie restriction. *Mol Cell Endocrinol.* 2009, 299:79-88. [PubMed ID: 19041366].

17. Minor, R.K., Anson, R.M., **de Cabo, R.** Calorie restriction and cancer: An update. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

18. Spangler, E.L., Long, J., Kelley-Bell, B., Miller, M., Minor, R.K, **de Cabo, R.** Will calorie restriction stave off age-related brain dysfunction, specifically to learning and memory? A review and critique of the rodent literature. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

19. Wei, M., Madia, F., **de Cabo, R.** and Longo V.D. Aging and Dietary restriction: the Yeast paradigm. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

20. Poirier, L., **de Cabo, R.** and Zou, S. Dietary Restriction and Aging in *Drosophila Melanogaster*. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

21. Le Couteur, D.G. Sinclair, D.A. Cogger, V., McMahon, A., Warren, A., Everitt, A., Lebel, M and **de Cabo, R.** The Aging Liver and the Effects of Long Term Caloric Restriction. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

22. Csiszar, A., Ungvari, Z., and **de Cabo, R.** Calorie Restriction and Cardiovascular Disease. In: Everitt AV, ed. Calorie Restriction, Aging and Longevity. Springer; 2009 in press.

23. Francisco J. Alcaín, F.J., Minor, R.K., Villalba, J.M., and **de Cabo, R.** Small Molecule Modulators Of Sirtuin Activity. In: Fahy, G.M., ed. The Future of Aging. Springer; 2009 in press.

24. Ungvari Z, Kaley G, **de Cabo R**, Sonntag WE, Csiszar A. Mechanisms of vascular aging: new perspectives. J Gerontol A Biol Sci Med Sci. 2010;65(10):1028-41. Epub 2010. Review. PubMed PMID: 20576649; PubMed Central PMCID:PMC2950814.

25. Martin-Montalvo A, Villalba JM, Navas P, **de Cabo R**. NRF2, cancer and calorie restriction. Oncogene. 2010 Nov 8. [Epub ahead of print] PubMed PMID: 21057541.

26. Minor RK, Allard JS, Younts CM, Ward TM, **de Cabo R**. Dietary interventions to extend life span and health span based on calorie restriction. J Gerontol A Biol Sci Med Sci. 2010;65(7):695-703. Epub 2010 Apr 6. Review. PubMed PMID:20371545; PubMed Central PMCID: PMC2884086.

27. Ungvari Z, Sonntag WE, **de Cabo R,** Baur JA, Csiszar A. Mitochondrial Protection by Resveratrol. Exerc Sport Sci Rev. 2011 Apr 19. [Epub ahead of print] PubMed PMID: 21383627.

28. Mercken EM, **de Cabo R**. A toast to your health, one drink at a time. Am J Clin Nutr. 2010 Jul;92(1):1-2. Epub 2010 May 26. PubMed PMID: 20504971; PubMed Central PMCID: PMC2884318.

<u>Publications</u>:

1. **de Cabo, R**. González-Reyes, J.A. and Navas, P. The onset of cell proliferation is stimulated by ascorbate free radical in onion root primordia. *Biol. Cell* 1993, 77: 232-233.

2. Morré, D.J., Navas, P., Rodríguez-Aguilera, J.C., Morré, D.M., Villalba, J.M., **de Cabo, R**. and Lawrence, J. Cyclic AMP plus ATP-dependent modulation of the NADH oxidase activity of porcine liver plasma membranes. *Biochim. Biophys. Acta* 1994, 1224: 566-574.

3. Morré, D.J., **de Cabo, R**., Jacobs, E. and Morré, D.M. Auxin stimulate protein disulfide isomerase from soybean plasma membranes. *Plant Physiol.* 1995, 109: 573-578.

4. Morré, D.J., **de Cabo, R**., Farley, C., Oberlies, N.H. and McLaughlin, J.L. Mode of action of bullatacin, a potent antitumor acetogenin: Inhibition of NADH oxidase of HeLa and HL-60, but not liver, plasma membranes. *Life Sci*. 1995, 56(5): 343-348.

5. Jacobs, E., Morré, D.J., **de Cabo, R**., Sweeting, M. and Morré, D.M. Response of a protein disulfide isomerase-like activity of transitional endoplasmic reticulum to all-*trans* retinol. *Life Sci.*1996, 59(4): 273-284.

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