

# Ra Jeong Chan D.V.M., PhD

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## **Education**

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Seoul National University, College of Veterinary Medicine	
B.S. Veterinary Medicine	1982 - 1986
Seoul National University, Graduate School of Medicine	
M.S. Veterinary Medicine	1992 - 1994
Cheju National University Graduate School	
Ph.D. Veterinary Medicine	2005 - 2008

## **Employment History**

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RNL BIO CO.,LTD.	
Chairman, President and CEO	Dec. 2000 - present
RNL Biostar Inc. (U.S.A)	
Chairman, President and CEO	Nov 2006 - present
RNL Life Science,Inc. (U.S.A)	Mar,2009 - present
Chairman	
Bethesda Samsung Hospital	
Chairman	May 2009 - present
LG chemistry	
Senior Director of Animal Medicine	1994 - 2000
Bayer Group in Korea	
Senior Director of Marketing	1987 – 1994
서울대학교 초빙교원	

## **Achievements**

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- An increase of over 300% a year for Baytril, Quinolone antibiotics

- Sales rank first in domestic area during 3 years
- Led new product development, Marketing, global business development at LG Chemistry
- Start on LG Chem Animal Health enterprise
- Achieve rank first in the world as a bovine somatotropine (BST)
- Leading Global networking of LG animal medicine : thirty countries around the world
- New product development : Accent, Euvectin, Biogus, sweetener
- Strategic alliance with multinational corporation : Shering Plough(USA), Alphama(USA), Virbac(France), Delaval(Sweden)
- Developed best selling animal disinfectant, Snucop
- Developed adult fat derived stem cell therapies, Vascostem and Jointstem
- Built a stem cell manufacturing facility, the first of its kind
- Involved with the development of dog cloning technology
- Established one of the world's first stem cell banks
- Successfully treated Rheumatoid Arthritis and Psoriasis patients
- Developed iPS cell lines without viruses
- Developed a dietary supplement for the inoculation from 2009H1N1

## **Thesis**

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### **Production Increase of Milk in Dairy Cow by Metabolic Profile Test**

Lee Chang-Woo, Kim Bonn-Won, **Ra Jeong-Chan**, Shin Sang-Tae, Kim Doo, Kim Jong-Taik, Hong Soon-Il,  
Journal of Veterinary Clinics , 1598-298X , v10n1 , pp.65-94 , 1993

### **Generation of red fluorescent protein transgenic dogs.**

Hong SG, Kim MK, Jang G, Oh HJ, Park JE, Kang JT, Koo OJ, Kim T, Kwon MS, Koo BC, Ra JC, Kim DY,  
Ko C, Lee BC.  
Genesis. 2009, 47, 5, 314-22.

### **Comparison of neural cell differentiation of human adipose mesenchymal stem cell derived from young and old ages**

Jung-Youn Jo, Sung-Keun Kang, In-Su Choi, Jeong-Chan Ra.  
Development and Reproduction, submitted.

**Anti-wrinkle effects of adipose tissue-derived mesenchymal stem cells (AdMCCs) in UV-irradiated hairless mice model.**

BH Kim, WC Son, CO Yim, SK Kang, JC Ra, YC Kim.

J. Dermatology. 2009, 현재 Review process.

**Reversal of the TPA-induced inhibition of gap junctional intercellular communication by Chaga mushroom (*Inonotus obliquus*) extracts: effects on MAP kinases.**

Park JR, Park JS, Jo EH, Hwang JW, Kim SJ, Ra JC, Aruoma OI, Lee YS, Kang KS.

Biofactors. 2006;27(1-4):147-55.

**Chemopreventive properties of the ethanol extract of chinese licorice (*Glycyrrhiza uralensis*) root: induction of apoptosis and G1 cell cycle arrest in MCF-7 human breast cancer cells.**

Jo EH, Kim SH, Ra JC, Kim SR, Cho SD, Jung JW, Yang SR, Park JS, Hwang JW, Aruoma OI, Kim TY, Lee YS, Kang KS.

Cancer Lett. 2005 Dec 18;230(2):239-47.

**Safety of passaged human adipose tissue-derived mesenchymal stem cell and its ability of neovascularization in an animal model for hindlimb ischemic disease (2007)**

**society membership**

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- Committee member of the Cord blood Stem cell work organization
- Director of Korea Bio Venture Association
- Director of Korean Society for Zoonoses
- Vice president of the Woori Business Club
- Committee member of the Far East Broadcasting Co., Korea

**Patent**

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- Air pressure autoinjector (1999)
- A process for preparing release controlled granules of QUINOLONE drugs having masking taste and smell (2001)
- Composition for protecting and treating viral diseases comprising oldenlandia diffusa and ganoderma lucidum extracts 2004-0081676 (10-0504272-0000)

- Food for preventing breast cancer containing anisoliquiritin 2005-0038616 (10-0515667-0000)
- Method for preparing a domestic fowl having enhanced oleic acid using feed composition comprising extracts of artemisia capillaris thunberg, garlic and acanthopanax 2006-0041871 (10-0657375-0000)
- Composition for reducing somatic cell and preventing or treating mastitis of dairy cattle 2002-1474 (474945)
- Disinfectant composition comprising anion surfactant 2002-28189 (368691)
- A composition for promoting growth or secretion of growth hormone comprising an extract of artemisia capillaris thunberg. And functional cereals coated by same 2002-65230 (601265)
- Viable lactobacilli and method for the treatment and protection of fowl typhoid 2003-11670 (489859)
- Antiviral composition using natural product 2003-68114 (528267)
- Phytoestrogenic composition comprising an extract of chinese licorice root or isoliquiritin 2004-17738 (525786)
- Composition for preventing or treating obesity comprising an extract of rubus coreanus miquel as an active ingredient 2004-35875 (466580)
- Functional composition comprising oldenlandia diffusa and ganoderma lucidum extracts 2004-81678 (10-0597711-0000)
- Composition for promoting growth of animal comprising extracts of artemisia capillaris thunberg., acanthopanax and garlic and feed composition for promoting growth comprising the composition 2005-37825 (10-0528313-0000)

## **Grant**

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- LG research and developing grant (1998)
- LG research and developing grant (2000)
- The venture business grand prize(The Prime Minister Prize)
- Awarded the Grand Prize at the 2007 Korean Technology Awards (2007)
- Awarded the 장영실의 날 기념 한국과학기술 대상 (2009)
- 대한민국 신기술 으뜸상(2009)