PRAKASH GOPALDAS CHANDAK

PRESENT JOB:

Perusing PhD on adipose triglyceride lipase and hormone sensitive lipase knockout mice and atherosclerosis, at Institute of Molecular Biology and Biochemistry, Medical University of Graz Austria from 2nd Oct 2007

INDUSTRIAL EXPERIENCE:

Worked as Research Associate at the Dept of Pharmacology, Nicholas Piramal Research Center, Nicholas Piramal India Ltd, Mumbai, India, from 29th Aug 2005 to 18th Sep 2007

EDUCATIONAL QUALIFICATIONS:

TOEFL Score:	217 out of 300, March-2006
M.S. (Pharm):	In the year 2005, Department of Pharmacology and Toxicology National Institute of Pharmaceutical Education and Research (NIPER), S.A.S Nagar, Punjab, India-160062 With cGPA of 8.56 on 10 point scale..
B.Pharm:	In the year 2000, Government College of Pharmacy, Amaravati. Secured first class with 60% marks.
GATE	In the year 2003, Qualified with 94.98% percentile score in Pharmaceutical sciences.

RESEARCH TECHNIQUES:

Immunohistochemistry	Aortic valve sections for macrophages
Cloning	Lysosomal acid lipase
Real time PCR	
Cholesterol efflux and uptake	Macrophages
Macrophages staining	Oil red O and Nile red
Western blotting	PARP, PARG and Histone
***Ex vivo* Glucose uptake Assay**	Soleus muscle
Histopathology	Kidney, Heart, Liver, Spleen, Testes and Adrenal Gland

Biochemical estimation /ELISA	Glucose, SGOT, SGPT, Triglyceride, Cholesterol, Insulin, HDL, LDL, TNF-α, IL-6, IL-1β, BUN, Creatinine, Total protein, Leptin and Adiponectin
Blood pressure	Invasive and noninvasive method
ECG recording	
Analgesia recording	Hot plate, Tail flick method

Animal models developed/worked on

- Adipose triglyceride lipase (ATGL) and hormone sensitive lipase (HSL) knockout mice for atherosclerosis.
- High Fat Diet (HFD) induced insulin resistance and obesity mice model.
- Diabetic nephropathy model in rats.
- High Fat Diet (HFD) induced insulin resistance rat model.
- High fat high cholesterol induced atherosclerosis in hamster.
- STZ-induced type 1 diabetes model.
- High Fat Diet + STZ induced type- 2 diabetes rat model.
- High Fructose diet induced metabolic syndrome rat model.
- Genetic mice model for type-2 diabetes db/db mice.
- LPS induced cytokine induction in C57BL/6J mice.

PROFESSIONAL ACTIVITIES

Publication:

- 18F9 (4-(3,6-bis (ethoxycarbonyl)-4,5,6,7-tetrahydrothieno (2,3-c) pyridin-2-ylamino)-4-oxobutanoic acid) enhances insulin-mediated glucose uptake in vitro and exhibits antidiabetic activity in vivo in db/db mice.
  Anandharajan R, Sayyed SG, Doshi LS, Dixit P, **Chandak PG**, Dixit AV, Brahma MK, Deshmukh NJ, Gupte R, Damre A, Suthar J, Padigaru M, Sharma SD, Nemmani KV. **Metabolism**, 2009 Jul 14. [XXXX]
- Acute administration of GPR40 receptor agonist potentiates glucose-stimulated insulin secretion in vivo in the rat.
  Doshi LS**,** Brahma MK**,** Sayyed SG**,** Dixit AV**, Chandak PG**, Pamidiboina V**,**

Motiwala HF**,** Sharma SD**,** Nemmani KV. **Metabolism**, 2009 Mar;58(3):333-43.

- Synthetic LXR agonist attenuates plaque formation in apoE-/- mice without inducing liver steatosis and hypertriglyceridemia.
  Kratzer A**,** Buchebner M**,** Pfeifer T**,** Becker TM**,** Uray G**,** Miyazaki M**,** Miyazaki-Anzai S**,** Ebner B**, Chandak PG**, Kadam RS**,** Calayir E**,** Rathke N**,** Ahammer H**,** Radovic B**,** Trauner M**,** Hoefler G**,** Kompella UB**,** Fauler G**,** Levi M**,** Levak-Frank S**,** Kostner GM**,** Kratky D. **Journal Lipid Research**, 2009 Feb;50(2):312-26.
- Gallotannin ameliorates the development of streptozotocin-induced diabetic nephropathy by preventing the activation of PARP.
  Chandak PG, Gaikwad AB**,** Tikoo K**. Phytotherapy Research**, 2009 Jan;23(1):72-7.

Presentation:

- Adipose triglyceride lipase deficiency reduces atherosclerosis in $LDLR^{-/-}$ mice. Austrian Atherosclerosis Society, 8-9 May 2009 in St. Gilgen, Austria.
- Comparative study of atherosclerosis susceptibility in mice having different expression levels of intracellular lipases, Austrian Atherosclerosis Society, 18.-19. April 2008 in St. Gilgen, Austria.

Poster Presentation:

- Adipose triglyceride lipase deficiency reduces atherosclerosis in $LDLR^{-/-}$ mice, Frontier Lipidology Conference, 10-14 May 2009, Gothenburg, Sweden.
- Adipose triglyceride lipase deficiency (ATGL) increases foam cell formation and protects against atherosclerosis, ÖBGM conference, 22-24 Sept 2008 in Graz, Austria.
- Comparative study of atherosclerosis susceptibility in mice having different expression levels of intracellular lipases, LIPOTOX conference, 13-15 March 2008 in Graz, Austria.

COMPUTER PROFICIENCY:

- Windows operating systems and application software: MS Office, ChemDraw, Reference Management Software (Endnote Plus), Prism Graph Pad, Sigma Stat (Jandel Scientific), Sigma Plot, Adobe Photoshop and Pagemaker.
- Scientific data retrieval from various Internet portals like **Sciencedirect, Pubmed, Highwire**, and Scopus, etc.

PERSONAL DETAILS:

Present Address	Harrachgasse-21/III A-8010, Graz, Austria. Ph No: +43 316 380 4199 Fax: +43 316 380 9615
Permanent Address	Flat no-3, Jalaram Vatika, Birla Gate, Akola-444001, Maharashtra, India Mobile no- 09822933924 09423475058

Date of Birth	13th April 1979
Marital Status	Single
Nationality	Indian
Father's Name	Shri Gopaldas S. Chandak
Language Known	English, Hindi, and Marathi
