



DIVISION OF ENDOCRINOLOGY & METABOLISM
DEPARTMENT OF MEDICINE

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NEWSLETTER

NEWSLETTER APRIL 2011

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Message from the Division Director

Division Director's column for First Quarter Newsletter – April 2011

I am delighted to present to you the first U of T Division of Endocrinology Newsletter, which celebrates the successes of the many accomplished members of the Division. It is with great pride that we take collective pleasure in the successes of our faculty. I will also take this opportunity to review the State-of-Division, half way through my first 5 year term as Division Director. My major goals for the Division, since assuming this position in mid 2008 have been:

1. To reduce competition between the teaching hospitals and to promote the identity of an integrated University Division of Endocrinology.
2. To integrate certain academic activities across the university teaching hospitals – eg. clinical trials, CME, Quality assessment
3. Recruitment of new faculty
4. Attracting trainees to academic endocrinology careers

How have we performed in achieving these goals?

There has been tremendous progress in achieving the first goal, that of **promoting an integrated Division across U of T**. There is great camaraderie and a notable absence of competition between the various hospital divisions. Recruitment is discussed and managed by the divisional executive, eliminating competition for recruitment between the hospital divisions. More individuals are identifying 'University of Toronto Division of Endocrinology' as their primary academic affiliation, rather than their respective hospital divisional site. The establishment of a Division of Endocrinology Newsletter is yet another measure we have taken to shape the identity of the U of T division of Endocrinology into a cohesive unit. We will encourage cross appointments between the various hospitals to promote further integration in the future.

With respect to goal #2, **to integrate certain academic activities across the university teaching hospitals**, I think that we can point to a good measure of success. The Working Group for Clinical Trials was successful in obtaining a \$75,000 grant from the U of T Department of Medicine for the development of a diabetes patient registry. They attracted the interest of a major pharmaceutical company that was extremely interested in funding a pan-Toronto academic centre clinical trial in Diabetes treatment. Although that clinical trial unfortunately ultimately did not receive funding, the success of forming a citywide clinical trials working group will hopefully lead to future successful initiatives. In this first Endocrinology newsletter you will read a report by Rene Wong of the Working Group for Continuing Education and Knowledge Translation. New citywide working groups have recently formed – a working group on Thyroid disease and on Endocrinology of Pregnancy. You will hear more about these working groups in future editions of this Newsletter.

We have been very successful in **recruiting new faculty to the division**. Over the past two and a half years the following outstanding individuals have been recruited to replenish our division: Shoba Sujana Kumar (Clinician Teacher, WCH), Sandra Kim (Clinician Teacher, WCH), Afshan Zahedi (Clinician Teacher, WCH), Rene Wong (Clinician Educator, UHN/MSH), Philip Segal (Clinician Teacher, UHN/MSH), Adam Millar (Clinician Teacher, UHN/MSH), Tony Lam (Scientist, UHN/MSH), Jon Rocheleau (Scientist, UHN/MSH), Jeremy Gilbert (Clinician Teacher, SBH), Julia Lowe (Clinician Teacher, SBH), Catherine Yu (Clinician Teacher, SMH) and Andrew Advani (Clinician Scientist, SMH). The next wave of recruitment, over the next year or two, will be to fill leadership

positions as three Heads of Endocrinology (UHN/MSH, SBH and SMH) complete their 10 year terms.

The forth goal, **attracting trainees to academic endocrinology careers**, has been successful in some respects and unsuccessful in others. On the positive side, many of our most talented trainees have elected to pursue further training as academic endocrinologists, particularly in the areas of education and clinical epidemiology. These are outstanding individuals, many of whom we hope to attract to our division as faculty, upon completion of their advanced training. We are still struggling, however, to attract trainees to pursue clinician scientist training in basic and translational research. A number of measures have been taken to correct this deficiency, such as the establishment of a clinician scientist training program in Endocrinology, but so far with limited success. I have agreed to head a task force for the Department of Medicine to examine measures that we can take at a departmental level to pursue this goal.

Overall I am delighted to report to you that the State-of-Division is healthy & thriving and I look forward to celebrating ongoing successes as we work together as one integrated, highly functional academic division.

Gary Lewis
Director, Division of Endocrinology, U of T

Honours and Awards

Congratulations to Mladen Vranic, who was recently awarded an honorary Doctor of Science degree from the University of Saskatchewan

Grants recently awarded to Division of Endocrinology primary and cross appointees (only those listed as principal investigator)

Canadian Institutes of Health Research

JIN, Tianru
University Health Network (Toronto) - Dissemination Events Grants - Nutrition, Metabolism, Diabetes (INMD) – 201010 KDE
Organizing a session of the 13th SCBA International Conference related to metabolic diseases
[Details...](#) \$15,940 \$0 1 yr 0 mth

SAWKA, Annie M
University Health Network (Toronto) -Meetings, Planning and Dissemination Grant: Knowledge Translation Supplement – 201010- KTB - Dissemination of Research in Evidence-Based Thyroid Cancer Care
[Details...](#) \$14,673 \$0 1 yr 0 mth

LYE, Stephen J
Mount Sinai Hospital (Toronto) - Operating Grant - 201009 - CIA
Progesterone Signaling During Pregnancy and Labour
[Details...](#) \$798,107 \$0 5 yrs 0 mth

BOOTH, Gillian L
St. Michael's Hospital (Toronto) - Operating Grant – 201009 - PH2
The urban built environment and health: Implications for diabetes prevention
[Details...](#) \$364,058 \$0 4 yrs 0 mth

SAWKA, Annie M
University Health Network (Toronto) - Operating Grant - Priority Announcement: Knowledge Translation – 201009 – KTR - Exploring the Long-term Impact of a Cancer Treatment Decision Aid
[Details...](#) \$49,900 1 yr 0 mth

WHEELER, Michael B
University of Toronto -Operating Grant – 201009 - DOL
Characterization of human embryonic stem cell- and adult pancreatic multipotent precursor-derived beta cells.
[Details...](#) \$675,050 5 years 0 mth \$0
The CaMos study was awarded \$3.42 million Dollars from CIHR, Bob Josse is the Toronto centre director for the study

Heart and Stroke Foundation of Ontario

Giacca, Adria (University of Toronto)
Local insulin effect on restenosis
Type: 2 Years Renewal (Pending) \$85,290

Meetings

22nd Annual Scientific Day, BBDC - Friday, May 13, 2011

The Old Mill Inn - 21 Old Mill Road, Toronto - <http://www.bbdc.org/pdf/SciDay2011.pdf>

Faculty Development Day & PGY-5 Research Project presentations (Vaughn Estates) - May 27th, 2011

Endocrine Society Meeting - June 4 - 7th, 2011 - Boston, Massachusetts

<http://www.endo-society.org/endo2011/>

ADA 71st Scientific Meeting - June 24 - 28th, 2011 - **San Diego, CA**

<https://www.ada-cmrglobalgroupservices.com/Home.aspx>

Division Member Profile

Dr. Jeremy Gilbert

Jeremy completed his medical degree, internal medicine training and endocrinology residency at the University of Toronto. He was a clinical associate at the University Health Network for 18 months before becoming an active staff member of Sunnybrook Health Sciences Centre. He attends on the clinical teaching unit for internal medicine 3 months per year. He also attends on the endocrinology consulting service and has a growing outpatient practice. He is an assistant professor at the University of Toronto.

Jeremy is becoming more involved in administrative activities. He is on the executive committee of the Sunnybrook Health Sciences Centre Department of Medicine Practice Plan and Medical-Dental-Midwifery Staff Association. In 2011, he will be the faculty advisor for the residents' council for the Canadian Society of Endocrinology and Metabolism. He is an executive member of The Banting and Best Diabetes Care and Education Committee and Toronto Diabetes Association. He has just been appointed the new endocrinology lead for the Toronto Central Regional Coordination Centre as part of the Ontario Diabetes Strategy.

Jeremy shows great enthusiasm for teaching. His area of academic interest is undergraduate and postgraduate education in general internal medicine and endocrinology and metabolism. He is the education site director for endocrinology at Sunnybrook Health Sciences Center. Jeremy is on the residency training committee for the department of medicine at Sunnybrook Health Sciences Centre and is on the postgraduate endocrinology education committee at the University of Toronto. He has completed the Master Teacher program at the University of Toronto. He is the recipient of the 2010 Young Teacher Award through the department of medicine at Sunnybrook Health Sciences Center.

He has a special clinical interest in patients with diabetes and its complications as well as diabetes in pregnancy. His passion for teaching is making Sunnybrook Health Sciences Centre a popular place for endocrinology training. His collaboration with other medicine services, such as cardiology, nephrology and cardiovascular surgery is making a positive impact on diabetes care at Sunnybrook Health Sciences Centre.

He is also very active in the orthodox Jewish community and attends prayer services 2-3 times per day as well as participating in talmudic learning nightly. His greatest joy is his family, including his wife Sarah and 3 children- Tova (age 7), Noam (age 3) and Meir (age 1).



Other News & Updates

Dr. Rene Wong

University of Toronto Division of Endocrinology Working Group on Continuing Education and Knowledge Translation (CE/KT)

The division's working group in CE/KT was created in 2008 to increase collaboration between hospital divisions in the promotion of best practices in fostering life long learning and the maintenance of professional competence. Its goal is to utilize principles in adult education to design and evaluate activities relevant to continuing education, knowledge translation and faculty development with the vision to use these educationally-sound activities as vehicles to impact the quality of care of patients with diabetes and endocrine disorders.

The group meets three times in the academic year, and is represented by from all of the university teaching hospitals:

Membership

Rosario Briones, WCH
 Ivy Fettes, SB
 Jacqueline James, MSH
 Jeremy Gilbert, SB
 Catherine Kelly, WCH
 Maria Kraw, SMH
 Rene Wong, UHN - Chair
 Catherine Yu, SMH
 Afshan Zahedi, WCH

Highlights

Continuing Interprofessional Education (CIPE): An Inteprofessional Outreach Program in Diabetes for Family Health Teams:

Family Health Teams (FHT's) are expected to play major roles in the management of diabetes but a documented lack of interprofessional collaboration in the FHT setting is preventing this. Rene Wong and Catherine Yu are piloting a continuing interprofessional education program (CIPE) in diabetes for family health teams. In this program, a diabetes specialist team from the University of Toronto act as 'mentors' for individuals and their professional development needs, as well as mentor the FHT as a whole as they develop their own diabetes protocols and programs. The impact on this (IPE) program on interprofessional collaboration (IPC) in the FHT setting is being evaluated. Plans are underway to expand this program to FHT's across Ontario and evaluate the impact of this CE program on the quality of diabetes care in family health teams.

Continuing Education in Primary Care: Diabetes and Endocrinology Update in Diabetes and Endocrinology for Family Physicians:

In April 2010, the working group organized its first collaborative continuing education event specifically for family physicians. Faculty from across all teaching sites presented at this event which covered topics relating to diabetes, osteoporosis, thyroid disease, dyslipidemia, PCOS and pituitary disease. It was extremely well-received, evidenced by its nomination for the Colin Woolf Award in Course Coordination. Participants praised the non-biased and

evidence-based approach presented by all the speakers, and welcomed the many opportunities during the course to interact with specialists they had previously only knew by name. This event will take place annually, with the next one scheduled on September 23, 2011 that will incorporate ways to determine the impact of the course on the practice behavior of family physicians.

Faculty Development: Division of Endocrinology Faculty Development Day:

Promoting the professional development of our faculty's diverse membership is an ongoing challenge. The focus of our annual faculty development day has been refocused to provide guidance not only for teaching skills, but also for other responsibilities representative of the spectrum of the CanMEDS roles. Challenges for the future include adapting this event to address the needs of colleagues working in the community as undergraduate and postgraduate educational programs adapt more of an integrated approach. The next event is scheduled on Friday, May 27th at the Estates of Sunnybrook.

Journal Articles

Publications of Division of Endocrinology Primary Appointees – January 1st 2011 to March 31st 2011

1. [Reproducibility of in vivo corneal confocal microscopy as a novel screening test for early diabetic sensorimotor polyneuropathy.](#)

Hertz P, Bril V, Orszag A, Ahmed A, Ng E, Nwe P, Ngo M, **Perkins BA.**

Diabet Med. 2011 Mar 22. doi: 10.1111/j.1464-5491.2011.03299.x. [Epub ahead of print]

PMID:

21434993

[PubMed - as supplied by publisher]

[Related citations](#)

2. [Ghrelin- and Serotonin-Producing Gastric Carcinoid.](#)

Latta E, Rotondo F, **Leiter LA,** Horvath E, Kovacs K.

J Gastrointest Cancer. 2011 Mar 22. [Epub ahead of print]

PMID:

21424696

[PubMed - as supplied by publisher]

[Related citations](#)

3. [Insulin degludec, an ultra-long-acting basal insulin, once a day or three times a week versus insulin glargine once a day in patients with type 2 diabetes: a 16-week, randomised, open-label, phase 2 trial.](#)

Zinman B, Fulcher G, Rao PV, Thomas N, Endahl LA, Johansen T, Lindh R, Lewin A, Rosenstock J, Pinget M, Mathieu C.

Lancet. 2011 Mar 12;377(9769):924-31.

PMID:

21396703

[PubMed - indexed for MEDLINE]

[Related citations](#)

4. [Histone deacetylase inhibition attenuates diabetes-associated kidney growth: potential role for epigenetic modification of the epidermal growth factor receptor.](#)

Gilbert RE, Huang Q, Thai K, Advani SL, Lee K, Yuen DA, Connolly KA, **Advani A.**

Kidney Int. 2011 Mar 9. [Epub ahead of print]

PMID:

21389970

[PubMed - as supplied by publisher]

[Related citations](#)

5. [Separation and reformation of cell surface dopamine receptor oligomers visualized in cells.](#)

O'Dowd BF, Ji X, Aljaniaram M, Nguyen T, **George SR.**

Eur J Pharmacol. 2011 Mar 1. [Epub ahead of print]

PMID:

21371461

[PubMed - as supplied by publisher]

[Related citations](#)

6. [Effect of nitroglycerin ointment on bone density and strength in postmenopausal women: a randomized trial.](#)

Jamal SA, Hamilton CJ, Eastell R, Cummings SR.

JAMA. 2011 Feb 23;305(8):800-7.

PMID:

21343579

[PubMed - indexed for MEDLINE]

[Related citations](#)

7. [Acute cannabinoid receptor type 1 \(CB1R\) modulation influences insulin sensitivity by an effect outside the central nervous system in mice.](#)

Song D, Bandsma RH, Xiao C, Xi L, Shao W, Jin T, **Lewis GF**.

Diabetologia. 2011 Feb 22. [Epub ahead of print]

PMID:

21340622

[PubMed - as supplied by publisher]

[Related citations](#)

8. [Lipid-altering efficacy and safety profile of combination therapy with ezetimibe/statin versus statin monotherapy in patients with and without diabetes: an analysis of pooled data from 27 clinical trials.](#)

Leiter LA, Betteridge DJ, Farnier M, Guyton JR, Lin J, Shah A, Johnson-Levonas AO, Brudi P.

Diabetes Obes Metab. 2011 Feb 18. doi: 10.1111/j.1463-1326.2011.01383.x. [Epub ahead of print]

PMID:

21332628

[PubMed - as supplied by publisher]

[Related citations](#)

9. [Cardiovascular safety and diabetes drug development.](#)

Drucker DJ, Goldfine AB.

Lancet. 2011 Mar 19;377(9770):977-9. No abstract available.

PMID:

21316097

[PubMed - in process]

[Related citations](#)

10. [Effect of subsequent pregnancies on the risk of developing diabetes following a first pregnancy complicated by gestational diabetes: a population-based study.](#)

Retnakaran R, Austin PC, **Shah BR**.

Diabet Med. 2011 Mar;28(3):287-92. doi: 10.1111/j.1464-5491.2010.03179.x.

PMID:

21309836

[PubMed - in process]

[Related citations](#)

11. [Pregnancy planning in women with pregestational diabetes.](#)

Lipscombe LL, McLaughlin HM, Wu W, **Feig DS**.

J Matern Fetal Neonatal Med. 2011 Jan 24. [Epub ahead of print]

PMID:

21261446

[PubMed - as supplied by publisher]

[Related citations](#)

12. [Vhl is required for normal pancreatic \$\beta\$ cell function and the maintenance of \$\beta\$ cell mass with age in mice.](#)

Choi D, Cai EP, Schroer SA, Wang L, **Woo M**.

Lab Invest. 2011 Apr;91(4):527-38. Epub 2011 Jan 17.

PMID:

21242957

[PubMed - in process]

[Related citations](#)

13. [The role of palmitoylation in directing dopamine D1 receptor internalization through selective endocytic routes.](#)

Kong MM, Verma V, O'Dowd BF, **George SR**.

Biochem Biophys Res Commun. 2011 Feb 18;405(3):445-9. Epub 2011 Jan 15.

PMID:

21241663

[PubMed - in process]

[Related citations](#)

14. [How sensitive is the case definition for diabetic sensorimotor polyneuropathy to the use of different symptoms, signs, and nerve conduction parameters in Type 1 diabetes?](#)

Shin TM, Bril V, Orszag A, Ahmed A, **Perkins BA**.

Diabetes Res Clin Pract. 2011 Jan 10. [Epub ahead of print]

PMID:
21227527
[PubMed - as supplied by publisher]
[Related citations](#)

15. [Initial combination therapy for type 2 diabetes mellitus: is it ready for prime time?](#)

Zinman B.

Am J Med. 2011 Jan;124(1 Suppl):S19-34. Review.

PMID:
21194577
[PubMed - indexed for MEDLINE]
[Related citations](#)

16. [HNF1A G319S variant, active cigarette smoking and incident type 2 diabetes in Aboriginal Canadians: a population-based epidemiological study.](#)

Ley SH, Hegele RA, Harris SB, Mamakeesick M, Cao H, Connelly PW, Gittelsohn J, **Retnakaran R, Zinman B**, Hanley AJ.

BMC Med Genet. 2011 Jan 5;12:1.

PMID:
21208426
[PubMed - indexed for MEDLINE]
Free PMC Article
[Free full text](#) [Related citations](#)

17. [Safety of insulin glargine use in pregnancy: a systematic review and meta-analysis.](#)

Pollex E, Moretti ME, Koren G, **Feig DS.**

Ann Pharmacother. 2011 Jan;45(1):9-16. Epub 2011 Jan 4.

PMID:
21205954
[PubMed - in process]
[Related citations](#)

18. [Dopamine receptor homooligomers and heterooligomers in schizophrenia.](#)

Perreault ML, O'Dowd BF, **George SR.**

CNS Neurosci Ther. 2011 Feb;17(1):52-7. doi: 10.1111/j.1755-5949.2010.00228.x.

Epub 2010 Dec 28.

PMID:
21199449
[PubMed - in process]
[Related citations](#)

19. [Differential effects of PPAR- \$\gamma\$ activation versus chemical or genetic reduction of DPP-4 activity on bone quality in mice.](#)

Kyle KA, Willett TL, Baggio LL, **Drucker DJ**, Grynbas MD.

Endocrinology. 2011 Feb;152(2):457-67. Epub 2010 Dec 22.

PMID:
21177828
[PubMed - indexed for MEDLINE]
[Related citations](#)

20. [Lipid-induced pancreatic \$\beta\$ -cell dysfunction: focus on in vivo studies.](#)

Giacca A, Xiao C, Oprescu AI, Carpentier AC, **Lewis GF.**

Am J Physiol Endocrinol Metab. 2011 Feb;300(2):E255-62. Epub 2010 Nov 30. Review.

PMID:
21119027
[PubMed - indexed for MEDLINE]
[Related citations](#)

21. [Effect of a low glycaemic index diet on blood glucose in women with gestational hyperglycaemia.](#)

Grant SM, Wolever TM, O'Connor DL, Nisenbaum R, **Josse RG.**

Diabetes Res Clin Pract. 2011 Jan;91(1):15-22. Epub 2010 Nov 20.

PMID:
21094553
[PubMed - in process]
[Related citations](#)

22. [GPR119 regulates murine glucose homeostasis through incretin receptor-dependent and independent mechanisms.](#)

Flock G, Holland D, Seino Y, **Drucker DJ.**

Endocrinology. 2011 Feb;152(2):374-83. Epub 2010 Nov 10.

PMID:

21068156

[PubMed - indexed for MEDLINE]

[Related citations](#)

23. [The association between the combined oral contraceptive pill and insulin resistance, dysglycemia and dyslipidemia in women with polycystic ovary syndrome: a systematic review and meta-analysis of observational studies.](#)

Halperin IJ, Kumar SS, Stroup DF, **Laredo SE.**

Hum Reprod. 2011 Jan;26(1):191-201. Epub 2010 Nov 8.

PMID:

21059754

[PubMed - in process]

[Related citations](#)

24. [Mouse serum paraoxonase-1 lactonase activity is specific for medium-chain length fatty acid lactones.](#)

Connelly PW, Picardo CM, Potter PM, Teiber JF, Maguire GF, **Ng DS.**

Biochim Biophys Acta. 2011 Jan;1811(1):39-45. Epub 2010 Oct 29.

PMID:

21044894

[PubMed - indexed for MEDLINE]

[Related citations](#)

25. [Effects of acute hyperglucagonemia on hepatic and intestinal lipoprotein production and clearance in healthy humans.](#)

Xiao C, Pavlic M, Szeto L, Patterson BW, **Lewis GF.**

Diabetes. 2011 Feb;60(2):383-90. Epub 2010 Oct 27.

PMID:

20980459

[PubMed - indexed for MEDLINE]

[Related citations](#)

26. [Association of 25\(OH\)D and PTH with metabolic syndrome and its traditional and nontraditional components.](#)

Kayaniyil S, Vieth R, Harris SB, **Retnakaran R**, Knight JA, Gerstein HC, **Perkins BA, Zinman B**, Hanley AJ.

J Clin Endocrinol Metab. 2011 Jan;96(1):168-75. Epub 2010 Oct 27.

PMID:

20980431

[PubMed - indexed for MEDLINE]

[Related citations](#)

27. [The relation of low glycaemic index fruit consumption to glycaemic control and risk factors for coronary heart disease in type 2 diabetes.](#)

Jenkins DJ, Srichaikul K, Kendall CW, Sievenpiper JL, Abdunour S, Mirrahimi A, Meneses C, Nishi S, He X, Lee S, So YT, Esfahani A, Mitchell S, Parker TL, Vidgen E, **Josse RG, Leiter LA.**

Diabetologia. 2011 Feb;54(2):271-9. Epub 2010 Oct 27.

PMID:

20978741

[PubMed - in process]

Free PMC Article

[Free full text](#) [Related citations](#)

28. [Metformin regulates the incretin receptor axis via a pathway dependent on peroxisome proliferator-activated receptor- \$\alpha\$ in mice.](#)

Maida A, Lamont BJ, Cao X, **Drucker DJ.**

Diabetologia. 2011 Feb;54(2):339-49. Epub 2010 Oct 23.

PMID:

20972533

[PubMed - in process]

[Related citations](#)

29. [C-reactive protein impairs hepatic insulin sensitivity and insulin signaling in rats: role of mitogen-activated protein kinases.](#)

Xi L, Xiao C, Bandsma RH, Naples M, Adeli K, **Lewis GF.**

Hepatology. 2011 Jan;53(1):127-35. doi: 10.1002/hep.24011. Epub 2010 Oct 21.

PMID:

20967757

[PubMed - indexed for MEDLINE]

[Related citations](#)

30. [Vitamin D inhibits CEACAM1 to promote insulin/IGF-I receptor signaling without compromising anti-proliferative action.](#)

Liu W, Guo M, **Ezzat S**, Asa SL.

Lab Invest. 2011 Jan;91(1):147-56. Epub 2010 Aug 16.

PMID:

20714323

[PubMed - indexed for MEDLINE]

[Related citations](#)

31. [Breastfeeding predicts the risk of childhood obesity in a multi-ethnic cohort of women with diabetes.](#)

Feig DS, Lipscombe LL, Tomlinson G, Blumer I.

J Matern Fetal Neonatal Med. 2011 Mar;24(3):511-5. Epub 2010 Jul 7.

PMID:

20608803

[PubMed - in process]

[Related citations](#)

Publications of Division of Endocrinology Cross Appointees – January 1st 2011 to March 31st 2011

1. [Are the glycemic and insulinemic index values of carbohydrate foods similar in healthy control, hyperinsulinemic and type 2 diabetic patients?](#)

Lan-Pidhainy X, **Wolever TM**.

Eur J Clin Nutr. 2011 Mar 23. [Epub ahead of print]

PMID:

21427735

[PubMed - as supplied by publisher]

[Related citations](#)

2. [A phase II randomized placebo-controlled trial of omega-3 fatty acids for the treatment of acute lung injury.](#)

Stapleton RD, Martin TR, Weiss NS, Crowley JJ, Gundel SJ, Nathens AB, Akhtar SR, Ruzinski JT, Caldwell E, **Curtis JR**, Heyland DK, Watkins TR, Parsons PE, Martin JM, Wurfel MM, Hallstrand TS, Sims KA, Neff MJ.

Crit Care Med. 2011 Mar 17. [Epub ahead of print]

PMID:

21423000

[PubMed - as supplied by publisher]

[Related citations](#)

3. [Glial cell missing-1 mediates over-expression of tissue inhibitor of metalloproteinase-4 in severe pre-eclamptic placental villi.](#)

Drewlo S, Czikk M, Baczyk D, **Lye S**, Kingdom J.

Hum Reprod. 2011 Mar 15. [Epub ahead of print]

PMID:

21406447

[PubMed - as supplied by publisher]

[Related citations](#)

4. [Endocytosis, Recycling, and Regulated Exocytosis of Glucose Transporter 4.](#)

Foley K, Boguslavsky S, **Klip A**.

Biochemistry. 2011 Mar 25. [Epub ahead of print]

PMID:

21405107

[PubMed - as supplied by publisher]

[Related citations](#)

5. [Recruitment of immigrant and ethnic minorities in primary prevention trials of cardiovascular disease.](#)

Minocher Homji RS, Lakhoo S, **Ray JG**.

QJM. 2011 Mar 12. [Epub ahead of print]

PMID:

21398665

[PubMed - as supplied by publisher]

[Related citations](#)

6. [Expression of Bone Morphogenetic Protein-1 in vaginal tissue of women with severe pelvic organ prolapse.](#)

Bortolini MA, Shynlova O, Drutz HP, Girão MJ, Castro RA, **Lye S**, Alarab M.

Am J Obstet Gynecol. 2011 Mar 10. [Epub ahead of print]

PMID:

21397208

[PubMed - as supplied by publisher]

[Related citations](#)

7. [Dietary restriction of lycopene for a period of one month resulted in significantly increased biomarkers of oxidative stress and bone resorption in postmenopausal women.](#)

Mackinnon ES, Venket Rao A, **Rao LG**.

J Nutr Health Aging. 2011;15(2):133-8.

PMID:

21365167

[PubMed - in process]

[Related citations](#)

8. [The impact of pistachio intake alone or in combination with high-carbohydrate foods on post-prandial glycemia.](#)

Kendall CW, Josse AR, Esfahani A, **Jenkins DJ**.

Eur J Clin Nutr. 2011 Mar 2. [Epub ahead of print]

PMID:

21364607

[PubMed - as supplied by publisher]

[Related citations](#)

9. [Rapid Improvement in the Signs and Symptoms of Rheumatoid Arthritis Following Certolizumab Pegol Treatment Predicts Better Longterm Outcomes: Post-hoc Analysis of a Randomized Controlled Trial.](#)

Keystone EC, **Curtis JR**, Fleischmann RM, Furst DE, Khanna D, Smolen JS, Mease PJ,

Schiff MH, Coteur G, Davies O, Combe B.

J Rheumatol. 2011 Mar 1. [Epub ahead of print]

PMID:

21362764

[PubMed - as supplied by publisher]

[Related citations](#)

10. [The Adult Mouse and Human Pancreas Contain Rare Multipotent Stem Cells that Express Insulin.](#)

Smukler SR, Arntfield ME, Razavi R, Bikopoulos G, Karpowicz P, Seaberg R, Dai F, Lee S,

Ahrens R, Fraser PE, **Wheeler MB**, van der Kooy D.

Cell Stem Cell. 2011 Mar 4;8(3):281-93.

PMID:

21362568

[PubMed - in process]

[Related citations](#)

11. [Nodal Signals through Activin Receptor-Like Kinase 7 to Inhibit Trophoblast Migration and Invasion Implication in the Pathogenesis of Preeclampsia.](#)

Nadeem L, Munir S, Fu G, Dunk C, Baczyk D, Caniggia I, **Lye S**, Peng C.

Am J Pathol. 2011 Mar;178(3):1177-89.

PMID:

21356369

[PubMed - in process]

[Related citations](#)

12. [Acute cannabinoid receptor type 1 \(CB1R\) modulation influences insulin sensitivity by an effect outside the central nervous system in mice.](#)

Song D, Bandsma RH, Xiao C, Xi L, Shao W, **Jin T**, Lewis GF.

Diabetologia. 2011 Feb 22. [Epub ahead of print]

PMID:

21340622

[PubMed - as supplied by publisher]

[Related citations](#)

13. [Sugars and fat have different effects on postprandial glucose responses in normal and type 1 diabetic subjects.](#)

Wolever TM, Mullan YM.

Nutr Metab Cardiovasc Dis. 2011 Feb 15. [Epub ahead of print]

PMID:

21330118

[PubMed - as supplied by publisher]

[Related citations](#)

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