

# **CURRICULUM VITAE**

**Robert Scott Schmidli**

**2020**

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## **PERSONAL DETAILS**

**NAME:** Robert Schmidli

**DATE OF BIRTH:** 7 Sept 1958

**ADDRESS:** (Home) 27 Custance Street  
Farrer, ACT 2607

(Work) Suite 26, John James Medical Centre  
Deakin, ACT 2600

## **KEY ACHIEVEMENTS**

Coordinator, 1<sup>st</sup> and 2<sup>nd</sup> International GAD antibody workshops 1994, 1995  
Coordinator Canberra Continuing Medical Education Meeting 2003-current  
Curriculum development – problem-based learning, CPC, ANUMS  
Junior doctor training at all levels  
PhD (Melbourne University) March 1998

**Peer reviewed papers**

See below

**Research funding**

See below

## QUALIFICATIONS AND PROFESSIONAL APPOINTMENTS

### Academic qualifications

MB ChB (Otago, NZ)	November	1982
PhD (Melbourne University)	March	1998

### College fellowships

FRACP	February	1990
MRCP (UK)	July	1986
ATCL (piano performance)		1977
LTCL (piano performance)		1977
LRSM (piano performance)		1977

### Awards, Scholarships and Honours

#### Undergraduate:

Union of Graduates in Music Prize, Canterbury University	1977
Third Place, Iverach Prize in Medicine, Otago Medical School	1982

### Present Appointments

Senior Lecturer, Australian National University Medical School  
 Staff Specialist, The Canberra Hospital  
 Visiting Endocrinologist, John James Memorial Hospital, National Capital Private Hospital,  
 Cooma, Young

### Previous Appointments

House Officer, Invercargill, NZ	1982-83
House Officer, Christchurch, NZ	1983-84
Medical Registrar, Christchurch, NZ	1984-85
Senior House Officer, Arrowe Park Hospital, Merseyside, UK	1986
Medical Registrar, Christchurch, NZ	1986-87
Endocrinology Registrar, Christchurch, NZ	1987-88
Medical Registrar, Christchurch, NZ	1988-89
Burnet Clinical Research Unit Registrar, Royal Melbourne Hospital, Melbourne	1991-92
Assistant Physician, Royal Melbourne Hospital, Melbourne	1992-96
Locum Senior Specialist (Endocrinology), The Canberra Hospital	1997, 1998
Visiting Senior Specialist (Adolescent Diabetes), The Canberra Hospital	1997-2004
Visiting Endocrinologist, Cootamundra Hospital	1998-present

### Research appointments

AMP Diabetes Research Fellow, Christchurch, NZ	1989-90
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Lilly Diabetes Fellow	1992-93
NH&MRC Research Scholar and PhD Student, The Walter and Eliza Hall Institute	1993-96
Postdoctoral Fellow, The John Curtin School of Medical Research	1996-2000
Visiting Fellow, The John Curtin School of Medical Research	2000-2003

### Medical Licensure

AHPRA Specialist registration number MED0001140101

### Committee Membership

ACT Health Research Ethics Committee Clinical Trials Subcommittee      Approx2010-present

### Previous Committee Membership

Diabetes Australia ACT	?1997-2002
Wesley Music Centre	?2008-2019

## **SERVICE AND ADMINISTRATIVE EXPERIENCE**

### **Summary**

ACT: Private endocrine practice

1999-current

### **Society Membership and Service**

Australian Diabetes Society

Endocrine Society of Australia

Endocrine Society (USA)

### **Charity**

Free lunch-hour concerts (piano): Wesley Music Centre - ongoing

Fundraising concerts: Diabetes Australia ACT, Refugee Support Group, Medical Association for Prevention of War, L'Arche – some ongoing

## TEACHING

### Course development

Problem-based learning  
Clinico-pathological conferences

### Mentor and supervisor

Academic supervisor, 3<sup>rd</sup> and 4<sup>th</sup> year ANUMS students  
Research project supervisor for 1st year ANUMS students  
Ward teaching – students, interns, residents, registrars

Current  
approx. 2005-current

### Examiner

ANUMS students - 3<sup>rd</sup> and 4<sup>th</sup> year

### Current teaching

Lecturer: 1<sup>st</sup> and 4<sup>th</sup> year ANUMS students: approx. 4 per year  
Case-based learning, 3<sup>rd</sup> year ANUMS students: approx. 2 per year  
Examiner: 3<sup>rd</sup> & 4<sup>th</sup> year ANUMS students – variable frequency  
3<sup>rd</sup> yr medical student long cases

## RESEARCH

### Current

Supervision first/second year medical student projects. Topics have included:

- Diagnostic criteria for polycystic ovarian syndrome
- Impact of insulin pumps on glycaemic control
- Quality of life and insulin pumps
- Transition from paediatric to adult diabetes services
- Management of hypoglycaemia
- Proton pump inhibitors and lactic acidosis
- Lactate in diabetic ketoacidosis

Our Health in Our Hands projects (OHIOH). Integrating research into clinical care setting. Beginning 2020. Through Young Adult Diabetes Services – various aspects of type 1 diabetes: immunology, diagnostic devices, consumer experience etc.

### Higher degree

Clinical studies of GAD and IA-2 antibodies in diabetic patients, standardisation of GAD antibody assays and in vitro study of expression of glutamate decarboxylase (GAD) in isolated islets. I was chosen to coordinate the first two international GAD antibody workshops, which resulted in two first-name author papers in the journal Diabetes (impact factor 7.2). These were the first studies examining sensitivity and specificity of different assay platforms.

### Other topics (past)

Supplemental insulin in type 2 diabetes

Measurement of insulin precursors in type 2 diabetes

Intervention trial in newly-diagnosed type 1 diabetes



## PUBLICATIONS AND PRESENTATIONS

### Publications

#### Thesis

1. Glutamic Acid Decarboxylase Immunity and Regulation In IDDM (PhD)

#### Chapters, reviews

1. Harrison LC, Schmidli RS, Petrovsky N, Honeyman MC. Insulin-dependent diabetes. In: Clinical Immunology. Oxford University Press. (Bradley J, McClusky J eds.).
2. Schmidli RS, Harrison LC. GAD Antibodies. In: Textbook of autoantibodies. (Shoenfeld Y, Peter JB eds.).
3. Faulkner-Jones BE, French M, Schmidli RS, Williamson S, Cram DS, Honeyman MC, Harrison LC. Expression and function of glutamic acid decarboxylase (GAD) as an autoantigen in insulin-dependent diabetes. In: Lessons from Animal Diabetes. (Shafir E ed.).
4. Schmidli R, Lafferty KJ. Diabetes: of mice and men. Today's Life Science 1998; 10: 20-24.
5. Schmidli RS. PCSK9 inhibitors: clinical applications. Aust Prescr 2016;39:168-701 DOI: 10.18773/austprescr.2016.061

#### Peer reviewed journal articles

1. Schmidli RS, Donald RA, Espiner EA. ACTH deficiency - problems in recognition and diagnosis. NZ Med J 1989; 102: 255-257.
2. Schmidli RS, Wilson I, Espiner EA, Richards AM, Donald RA. Aminohydroxypropylidene diphosphonate (APD) in primary hyperparathyroidism; effect on clinical status. Clin Endocrinol 1990; 32: 293-300.
3. Ellis MJ, Schmidli RS, Donald RA, Livesey JH, Espiner EA. Plasma corticotrophin-releasing factor and vasopressin responses to hypoglycaemia in normal man. Clin Endocrinol 1990; 32: 93-100.
4. Schmidli RS, Lynn KL. Acute renal failure complicating non-fulminating hepatitis A infection - a case report. NZ Med J 1990; 103: 375.
5. Schmidli RS, Scott RS, Bremer JM, Shand BI, Elliott T, Moore MP. Effect of supplementary night-time insulin on rheology and atherogenic risk factors in type 2 diabetes mellitus. Cardiovasc Risk Factors 1991; 1: 361-367.

6. Schmidli RS, Hagan C, Scott RS, Livesey J, Forbes LV. Plasma proinsulin in recently diagnosed type 2 diabetes mellitus. *Diab Res Clin Pract* 1993; 20: 133-138.
7. Harrison LC, Honeyman MC, DeAizpurua HJ, Schmidli RS, Colman PG, Tait BD, Cram DS. Inverse relation between humoral and cellular immunity to glutamic acid decarboxylase in subjects at risk of insulin-dependent diabetes. *Lancet* 1993; 341: 1365-1369.
8. Schmidli RS, DeAizpurua HJ, Harrison LC, Colman PG. Antibodies to glutamic acid decarboxylase in at-risk and clinical insulin-dependent diabetic subjects: relationship to age, sex and islet cell antibody status, and temporal profile. *J Autoimmunity* 1994; 7: 55-66.
9. Schmidli RS, Colman PG, Bonifacio E, Bottazzo GF, Harrison LC. High level of concordance between assays for glutamic acid decarboxylase antibodies (GADAb): the first international GADAb workshop. *Diabetes* 1994; 43: 1005-1009.
10. Schmidli RS, Colman PG, Harrison LC. Do glutamic acid decarboxylase antibodies improve the prediction of IDDM in first-degree relatives at-risk for IDDM? *J Autoimmun* 1994; 7: 873-879.
11. Schmidli RS, Colman PG, Bonifacio E. Disease sensitivity and specificity of fifty-two assays for glutamic acid decarboxylase antibodies: the second international glutamic acid decarboxylase antibody workshop. *Diabetes* 1995; 44: 636-640.
12. Schmidli RS, Faulkner-Jones BE, James RFL, Harrison LC, DeAizpurua HJ. Cytokine regulation of GAD biosynthesis in isolated rat islets of Langerhans. *Biochem J* 1996; 317: 713-9.
13. Willis JA, Scott RS, Brown LJ, Forbes LV, Schmidli RS, Zimmet PZ, Mackay IR, Rowley MJ. Islet cell antibodies and antibodies against glutamic acid decarboxylase in newly diagnosed adult-onset diabetes mellitus. *Diab Res Clin Pract* 1996; 33: 89-97.
14. Cui L, Yu W-P, DeAizpurua HJ, Schmidli RS, Pallen CJ. Cloning and characterization of IAR, a novel receptor-like protein tyrosine phosphatase and autoantigen in insulin-dependent diabetes. *J Biol Chem* 1996; 271: 24817-24823.
15. Schmidli RS, Colman PG, Cui L, Yu W-P, Kewming K, Jankulovski C, Harrison LC, Pallen CJ, DeAizpurua HJ. Antibodies to the novel protein tyrosine phosphatase IAR predict development of insulin-dependent diabetes (IDDM) in first-degree relatives at-risk for IDDM. *Autoimmunity*. 1998; 28: 15-23.
16. Colman PG, McNair P, Margetts H, Schmidli RS, Werther G, Alford F, Ward GM, Tait BD, Honeyman MC, Harrison LC. The Melbourne prediabetes study: prediction of type 1 diabetes mellitus using antibody and metabolic testing. *Med J Aust* 1998; 169: 81-4.
17. Colman PG, McNair PD, Gellert S, Kewming K, Schmidli RS, Steele CE, Harrison LC. Development of autoantibodies to islet antigens during childhood: implications for preclinical type 1 diabetes screening. *Pediatr Diabetes* 2002; 3:144-8.

18. Vress D, Schmidli RS. Evaluation of transition of type 1 diabetes paediatric patients to the adult service at the Canberra Hospital. *MSJA* 2011; 3: 18-23.
19. Somi N, Schmidli RS. Prospective study of the effect of Subcutaneous Insulin Infusion on the quality of life of patients with type 1 diabetes mellitus. *MSJA* 2013; 5: 6-9.

### **Formal presentations** (*excluding National poster presentations*)

- 1993 Invited speaker 11th Immunology and Diabetes Workshop (IDW) symposium
- 1993 Poster presentation 11th IDW symposium
- 1994 Invited speaker 12th IDW symposium
- 1994 Oral presentation 12th IDW symposium
- 1994 Poster presentation 12th IDW symposium
- 1995 Poster presentation Immunology of Diabetes '95 symposium
- 1995 Invited speaker Australian Diabetes Society Melbourne
- 1995 Institute seminar The Walter and Eliza Hall Institute
- 1995 Invited speaker Institute of Molecular and Cell Biology, Singapore
- 1996 Invited speaker John Curtin School of Medical Research, Canberra
- 1996 Invited speaker Centenary Institute of Cell Biology and Cancer, Sydney
- 1998 Oral presentations (2) 2nd Immunology of Diabetes Society (IDS) symposium
- 1998 Divisional seminar Department of Molecular Medicine, John Curtin School
- 1998 Oral presentation Australian Diabetes Society, Perth
- 1998 Invited speaker National Institutes of Health, Bethesda, USA
- 1998 Invited speaker Barbara Davis Centre for Childhood Diabetes, Denver, USA
- 1999 Invited speaker RACP-ACT annual scientific meeting

### **Grants awarded**

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|--|------|
| Tod - Nicholls Trust and Riddell Award for cardiovascular research (\$5,000) | 1989 |
| AMP Diabetes Research Fellowship, New Zealand (\$40,000)                     | 1990 |
| 3M Riker Glucophage Award, NZ (\$5,000)                                      | 1990 |
| Eli Lilly Diabetes Research Fellowship (salary: \$30,000)                    | 1991 |
| Victor Hurley Research Fellowship (\$7,000)                                  | 1991 |
| Novo Nordisk Regional Diabetes Support Scheme Grant (\$5,000)                | 1991 |
| NH&MRC Research Scholarship (salary)   | 1991 |
| Diabetes Australia Research Trust grant (\$30,000)                           | 1996 |
| Diabetes Australia Research Trust grant (\$20,000)                           | 1998 |

## REFEREES

Prof Chris Nolan  
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ANU  
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Prof Tim Greenaway  
Director, Dept of Endocrinology, TCH  
The Canberra Hospital  
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A handwritten signature in black ink, appearing to read 'R Schmidli', with a stylized flourish at the end.

**ROBERT SCHMIDLI**