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Home Information:	3620 Albans Street Houston, TX 77005	<i>Home Phone:</i> (713) 668-5109 <i>Cell Phone:</i> (713) 261-0137
Personal Information:	Birthplace and Citizenship Date of Birth Spouse's Name Children's Names	Australia 9/22/1952 Kathy David & Katherine
Education Background:	Strathclyde University, Glasgow, United Kingdom <i>Doctor of Philosophy</i>	1988 – 1995
	University of Melbourne, Melbourne, Australia <i>Master of Engineering Science</i>	1974 – 1975
	University of Melbourne, Melbourne, Australia <i>Bachelor of Metallurgical Engineering</i>	1970 – 1973
Professional Positions & Employment:	Baylor College of Medicine, Joseph Barnhart Department of Orthopedic Surgery Houston, TX <i>Professor (Non-Tenured)</i>	1999 – present
	The Methodist Hospital, Houston, TX <i>John S. Dunn Professor of Orthopedic Surgery (Research)</i>	1994 – present
	Imperial College London, UK <i>Visiting Professor, Orthopaedic Surgery Unit</i>	2010-present
	University of Houston Houston, Texas <i>Adjunct Professor, dept. Mechanical Engineering</i>	2006-present
	Institute of Orthopedic Research and Education, Houston, TX <i>Director of Research</i>	1994 – present

Baylor College of Medicine, Joseph Barnhart Department of Orthopedic Surgery Houston, TX <i>Director of Orthopedic Research</i>	1984 – present
Computer Modeling Special Interest Group, Society for Biomaterials Houston, TX <i>Chair / Program Chair</i>	2002
Baylor College of Medicine, Joseph Barnhart Department of Orthopedic Surgery Houston, TX <i>Associate Professor</i>	1995 – 1999
Baylor College of Medicine, Joseph Barnhart Department of Orthopedic Surgery Houston, TX <i>Research Associate Professor</i>	1989 – 1995
The Methodist Hospital, Orthopedic Research Library Houston, TX <i>Director</i>	1983 – 1993
Fondren Orthopedic Group, Houston, TX <i>Research Associate</i>	1983 – 1989
Texas Rehabilitation Engineering Center, Texas, Institute of Rehabilitation and Research Houston, TX <i>Technical Director</i>	1982 – 1983
Royal Perth Hospital, Department of Medical Physics Western Australia <i>Project Bioengineer</i>	1976 – 1981
University of Melbourne, Melbourne, Australia <i>Demonstrator in Metallurgy and Engineering</i>	1975
Professional Memberships:	
Journal Editorial Boards: Editorial Committee – Journal of Arthroplasty Advisory Board – Hip International Arthroplasty Editorial Committee – Sports Medicine News	present present 1991 – 1993
Review Panels of Manuscripts: New England Journal of Medicine Journal of Arthroplasty Journal of Bone and Joint Surgery Clinical Orthopedics and Related Research Orthopedics and Related Sciences Orthopedic Special Edition Journal of Shoulder and Elbow Surgery	present present present present present present present

Journal of Applied Biomaterials	present
Journal of Orthopedic Research	present
Nature Reviews	present
Arthritis and Rheumatism	present

Professional Societies:

American Academy of Orthopedic Surgeons	present
The Hip Society	present
The Knee Society	present
The International Hip Society	present
American Association of Hip and Knee Surgeons	present
International Society for Technology in Arthroplasty	present
Orthopedic Research Society	present
Affiliate Member, Australian Orthopedic Association	1982 – 1992
Chartered Engineer, Australia and United Kingdom	1976 – 1982
Member, Australian Institution of Engineers	1976 – 1982

Honors:

UK-US Collaboration Development Award (with Prof Alister Hart) Department of Business, Innovation & Skills, UK Foreign & Commonwealth Office	2010
Elected Member of The International Hip Society	2009
Elected Member of The Knee Society	2008
Frank Stinchfield Award for Outstanding Research, the Hip Society	2007
John Insall Award for Outstanding Research, the Knee Society	2006
Otto AuFranc Award for Outstanding Research, the Hip Society	2003
Otto AuFranc Award for Outstanding Research, the Hip Society	2001
Best Paper Award, Herodicus Society	1999
Houston Orthopedic Society Research Award, Houston Orthopedic Society	1999
Guest Lecturer, Central Japan Association of Orthopaedic Surgery and Traumatology, Biwa, Japan	1995
Visiting Professor, Department of Orthopaedic Surgery, University of Aiche, Nagoya, Japan	1990
Frank Stinchfield Award for Outstanding Research, the Hip Society	1988
Sir Winston Churchill Traveling Fellowship	1979
Neill Greenwood Medal for Outstanding Exhibitioners in Mining and Metallurgy, University of Melbourne, Melbourne, Australia	1973
Exhibition of Metallurgical Engineering, University of Melbourne Melbourne, Australia	1973

**Institutional/
Hospital**

Baylor College of Medicine	present
The Methodist Hospital	present
Imperial College, London	present

Affiliations:

**Employment
Status:**

John S. Dunn Foundation <i>Endowed Professor</i>	present
Cognoscenti Inc. <i>President</i>	present
Advanced Technology in Orthopedics LP <i>Managing Partner</i>	present
Orthopedic Discovery LLC <i>President</i>	present

Current Teaching Duties: Lectures to residents on orthopedic research, biomechanics, biomaterials, statistics, and joint replacement (Barnhart Department of Orthopedic Surgery, Baylor College of Medicine). Supervision of research activities of faculty, fellows, residents, and students (Department of Orthopedic Surgery, Methodist/Cornell College of Medicine; Barnhart Department of Orthopedic Surgery, Baylor College of Medicine)

Institutional Responsibilities

Administrative Duties: Vice-Chair, Institutional Review Board, Baylor College of Medicine, Houston, Texas **2003 – 2010**
 Member, Graduate Medical Education Committee, Joseph Barnhart Department of Orthopedic Surgery, Baylor College of Medicine, Houston, Texas **1999 – 2004**
 Member, Institutional Review Board, Baylor College of Medicine, Houston, Texas **1999 – 2003**
 Chairman, Search Committee, Alexander and Ruth Brodsky Professorship of Surgery of the Spine, Department of Orthopedic Surgery, Baylor College of Medicine **1990 – 1991**
 Member, Residency Review Committee, Department of Orthopedic Surgery, Baylor College of Medicine, Houston, Texas **1991 – 1994**
 Member, Institutional Review Board, The Methodist Hospital, Houston, Texas **1991 – 1994**

Extramural Professional Activities: Member, Board of Directors, International Society of Technology in Arthroplasty (ISTA) **2011-present**
 Organizer, Translational Research Symposium, American Academy of Orthopedic Surgery and the Orthopedic Research Society **2011**
 Associate Editor (Basic Science), “Surgery of the Hip”, Elsevier Ed. Dan Berry and Jay Lieberman **2009-present**
 Member, External Advisory Board, Arthritis Research Center for Bioengineering and Biomechanics, Cardiff, UK **2009-present**
 External Reviewer, Centers for Excellence in Arthritis Research, Arthritis Research UK **2008**
 Member, Outcomes Task Force developing a new Knee Society Score, The Knee Society **2007-2010**
 Co-chairman of the Scientific Symposium on the Reconstruction of the Diseased Hip, Bern, Switzerland **2006**
 Co-chairman for the 2nd Annual Discovery Forum, Houston, Texas **2005**
 Co-chairman for the 1st Annual Discovery Forum, Houston, Texas **2004**

Bibliography:

Published in Reference Journals

1. **P.C. Noble.** The Selection of Acrylic Bone Cements for Use in Joint Replacement. *BioMaterials*, 4: 94-100, 1983. .
2. **P.C. Noble, T.A. Krouskop, S.L. Garber, W.A. Spencer.** The Effectiveness of Preventive Management in Reducing the Occurrence of Pressure Sores. *Res. Dev.*, 20: 74-83, 1983.
3. **P.C. Noble.** Special Materials for the Replacement of Human Joints. *Metal Forum*, 6:59-80, 1983.
4. **P.C. Noble, E. Swarts.** Penetration of Acrylic Bone Cements into Cancellous Bone. *Acta Orthop. Scand.*, 54: 566-573, 1983.
5. **P.C. Noble, B. Goode, T.A. Krouskop, B. Crisp.** The Influence of Environmental Aging Upon the Load Bearing Properties and Polyurethane Foams. *Journal Rehab. Res. and Dev.*, 21: 31-38, 1984.
6. T.A. Krouskop, **P.C. Noble, J. Brown, R. Marburger.** Factors Affecting the Pressure Distribution Properties of Foam Mattress Overlays. *Journal Rehab. Res. and Dev.*, 23(3): 33-39. July 1986.
7. J.C Kovach, G.M. Gartsman, **P.C. Noble.** Carpal Arch Alteration Following Carpal Tunnel Release. *Journal of Hand Surgery*, 11A(3): 372-374, May 1986.
8. G.T. Gabel, G.W. Hanson, J.B. Bennett, **P.C. Noble, H.S. Tullos.** Intra-articular Fractures of the Distal Humerus in the Adult. *Clinical Orthopaedics and Related Research*, 216: 99-108, March 1987.

9. B.N. Edwards, H.S. Tullos, **P.C. Noble**. Contributory Factors and Etiology of Sciatic Nerve Palsy in Total Hip Arthroplasty. *Clinical Orthopaedics and Related Research*, 218: 136-141, May 1987.
10. S.M. Dreeben, P.B.M. Thomas, **P.C. Noble**, H.S. Tullos. A New Method for Radiography of Weight Bearing Metatarsal Heads. *Clinical Orthopaedics and Related Research*, 224: 260-267, November 1987.
11. G.M. Gartsman, M.E. Blair Jr., **P.C. Noble**, J.B. Bennett, H.S. Tullos. Arthroscopic Sub-acromial Decompression: An Anatomical Study. *The American Journal of Sports Medicine*, 16: 48-50, January/February 1988.
12. T.L. Mehlhof, **P.C. Noble**, J.B. Bennett, H.S. Tullos. Simple Dislocation of the Elbow in the Adult. *The Journal of Bone and Joint Surgery*, 70A: 244-249, February 1988.
13. R.N. Levy, **P.C. Noble**, A. Scheller Jr., H.S. Tullos, R. Turner. Prolonged Fixation of Cemented Total Hip Replacement. *Surgical Rounds for Orthopaedics*, 11: 15-22, April 1988.
14. **P.C. Noble**, J.W. Alexander, L.J. Lindahl, D.T. Yew, W.M. Granberry, H.S. Tullos. The Anatomic Basis of Femoral Component Design. *Clinical Orthopaedics and Related Research*, 235: 145-165, October 1988.
15. S.M. Dreeben, **P.C. Noble**, S. Hammerman, J.O. Bishop, H.S. Tullos. Metatarsal Osteotomy for Primary Metatarsalgia: Radiographic and Pedobarographic Study. *Foot and Ankle*, 9(5): 214-218, April 1989.
16. J.A. Maltry, **P.C. Noble**, G.W. Woods, J.W. Alexander, G.W. Feldman, H.S. Tullos. External Stabilization of the Anterior Cruciate Ligament Deficient Knee During Rehabilitation. *The American Journal of Sports Medicine*, 16: 550-554, 1989.
17. G.C. Landon, H.S. Tullos, **P.C. Noble**. Primary Total Hip Replacement. *Surgical Rounds for Orthopaedics*, 12: 61-67, March 1989.
18. A.E. Heilman, W.G. Braly, J.O. Bishop, **P.C. Noble**, H.S. Tullos. An Anatomic Study of Subtalar Instability. *Foot and Ankle*, 10(4): 224-228, February, 1990.
19. W.M. Granberry, **P.C. Noble**, G.W. Woods. Evaluation of an Electrogoniometric Instrument for Measurement of Laxity of the Knee. *The Journal of Bone and Joint Surgery*, 72A: 1316-1322, October, 1990.
20. D.D. Rhoads, **P.C. Noble**, J.D. Reuben, O.M. Mahoney, H.S. Tullos. The Effect of Femoral Component Position on Patellar Tracking After Total Knee Arthroplasty. *Clinical Orthopaedics and Related Research*, 260: 43-51, November, 1990.
21. O.M. Mahoney, **P.C. Noble**, J.D. Davidson, H.S. Tullos. The Effect of Continuous Epidural Analgesia on Post-Operative Pain, Rehabilitation, and Duration of Hospitalization in Total Knee Arthroplasty. *Clinical Orthopaedics and Related Research*, 260: 30-37, November 1990.
22. G.W. Stocks, G.T. Gabel, **P.C. Noble**, G.W. Hansen, H.S. Tullos. Anterior and Posterior Internal Fixation of Vertical Shear Fractures of the Pelvis. *Journal of Orthopaedic Research*, 9(2): 237-245, March, 1991.
23. D.K. Kuechle, G.C. Landon, D.M. Musher, **P.C. Noble**. Elution of Vancomycin, Daptomycin, and Amikacin from Acrylic Bone Cement. *Clinical Orthopaedics and Related Research*, 264: 302-308, March, 1991.
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26. R. Leggon, R.W. Lindsey, B.J. Doherty, J.W. Alexander, **P.C. Noble**. The Holding Strength of Cannulated Screws Compared with Solid Core Screws in Cortical and Cancellous Bone. *Journal of Orthopaedic Trauma*, 7(5): 450-457, 1993.
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29. **P.C. Noble**. Contributions of the Basic and Applied Sciences to Hip Replacement in Older Persons. *Instr Course Lect*, 43: 381-392, 1994.
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The Journal of Bone and Joint Surgery, 77A: 513-523, 1995.

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49. S.G. Pneumaticos, **P.C. Noble**, W.C. McGarvey, D.R. Mody, S.G. Trevino. Open Versus Closed Repair of the Achilles Tendon: An Experimental Animal Study. Foot Ankle Int., 20(5): 307-313, 1999.
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52. D.M. Stadelmaier, W.R. Lowe, O.A. Ilahi, **P.C. Noble**, H.W. Kohl. Cyclic Pull-out Strength of Hamstring Tendon Graft Fixation with Soft Tissue Interference Screws. Influence of Screw Length. Am J Sports Med., 27(6): 778-83, 1999.

53. W. Kapp, R.W. Lindsey, **P.C. Noble**, T. Rudersdorf, P. Henry. Long-Term Residual Musculoskeletal Deficits after Femoral Shaft Fractures Treated with Intramedullary Nailing. *The Journal of Trauma Injury, Infection and Critical Care*, 49(3): 446-449, 2000.
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59. C.F. Scifert, **P.C. Noble**, T.D. Brown, R.L. Bartz, N. Kadakia, N. Sugano, R.O. Johnston, D.R. Pederson, J.J. Callaghan. Experimental and Computational Simulation of Total Hip Arthroplasty Dislocation. *Orthop Clin North Am.*, 32(4): 553-67, 2001.
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63. C.L. Soo, **P.C. Noble**, S.I. Esses. Scheuermann Kyphosis: Long-term Follow-up. *Spine J.*, 2(1): 49-56, 2002.
64. M. Rittmeister, **P.C. Noble**, D.M. Lintner, J.W. Alexander, M. Conditt, H.W. Kohl 3rd. The Effect of Strand Configuration on the Tensile Properties of Quadrupled Tendon Grafts. *Arthroscopy*, 18(2): 194-2002, 2002.
65. **P.C. Noble**. The Effect of Rotation on Radiographic Evaluation of the Tibiofibular Syndesmosis. *Foot Ankle Int.*, 23(2): 107-11, 2002.
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70. J. McCarthy, **P.C. Noble**, F.V. Alusio, M. Schuck, J. Wright, J.A. Lee. Anatomy, Pathologic Features, and Treatment of Acetabular Labral Tears. *Clinical Orthopedics and Related Research*, (406): 38-47, 2003.
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72. X. Liu, **P.C. Noble**, Z.P. Luo. A Method for Testing Compressive Properties of Single Proteoglycan Aggregates. *Biochem Biophys Res Commun.*, 25:307(2): 338-41, 2003.
73. **P.C. Noble**, M.A. Conditt, M.T. Thompson, J.A. Stein, S. Kreuzer, B.S. Parsley, K.B. Mathis. Extra-articular Abrasive Wear in

- Cemented and Cementless Total Knee Arthroplasty. *Clinical Orthopedics and Related Research*, (416): 120-8, 2003.
74. **P.C. Noble**, E. Kamaric, N. Sugano, M. Matsubara, Y. Harada, K. Ohzono, V. Paravic. Otto Au Franc Award: Three-dimensional Shape of the Dysplastic Femur: Implications for THR. *Clinical Orthopedics and Related Research*, (417): 27-40, 2003.
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 78. M.A. Conditt, J.A. Stein, **P.C. Noble**. Factors Affecting the Severity of Backside Wear of Modular Tibial Inserts. *J Bone Joint Surg Am.*, 86-A(2): 305-11, 2004.
 79. M.T. Thompson, M.A. Conditt, S.K. Ismaily, A. Agarwal, **P.C. Noble**. Validation of a System for Automated Measurement of Knee Laxity: Brief Report. *Clin Biomech (Bristol, Avon)*, 19(3): 308-12, 2004.
 80. X. Liu, **P.C. Noble**, Z.P. Luo. Direct Measurements of the Compressive Properties of Single Proteoglycan Aggregates. *Biochem Biophys Res Commun.*, 316(2): 313-316, 2004.
 81. C.A. DiRaimondo, J.W. Alexander, **P.C. Noble**, W.R. Lowe, D.M. Lintner. A Biomechanical Comparison of Repair Techniques for Type II SLAP Lesions. *Am J Sports Med.*, 32(3): 727-733, 2004.
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 83. M.A. Conditt, **P.C. Noble**, R. Bertolusso, J. Woody, B.S. Parsley. The PCL Significantly Affects the Functional Outcome of Total Knee Arthroplasty. *Journal of Arthroplasty*, 19 (7 suppl 2): 107-112, 2004.
 84. M.A. Conditt, B.S. Parsley, J.W. Alexander, S.D. Doherty, **P.C. Noble**. The Optimal Strategy for Stable Tibial Fixation in Revision Total Knee Arthroplasty. *Journal of Arthroplasty*, 19 (7 suppl 2): 113-118, 2004.
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