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### ***Current Position***

Director, Implant Retrieval Laboratory, Orthopaedic Hospital, Los Angeles,  
Adjunct Associate Professor, UCLA/Orthopaedic Hospital Department of Orthopaedics  
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### ***Major Areas of Research:***

Factors affecting the success of resurfacing arthroplasties  
Biocompatibility of metal implants, particles and ions  
Fixation of prosthetic joints  
Role of wear particles in aseptic loosening  
Wear particle analysis from prosthetic joints

### ***Major Publications***

1. Beaulé PE, Campbell PA, Walker PS, Schmalzried TP, Dorey FJ, Blunn GW, Bell CJ, Yahia L, Amstutz HC: Polyethylene wear characteristics in vivo and in a knee stimulator. *J. Biomed. Mater. Res* 60:411-419, 2002
2. Campbell P.A., Wang M, Amstutz H. C., Goodman S. B. Positive cytokine production in failed metal-on-metal total hip replacements. *Acta Orthop Scand*, 75(5):506-512, 2002
3. Skipor A, Campbell P, Paterson L, Amstutz HC, Jacobs J: serum and urine metal levels in patients with metal on metal surface arthroplasty. *J. Mat Sci* 13:1227-1234, 2002
4. Catelas I., Campbell PA, Dorey F, Frausto A, Mills BG, Amstutz HC: Semi-quantitative analysis of cytokines in MM THR tissues and their relationship with metal wear particles. *Biomaterials* 24: 4785-4797, 2003
5. Campbell P, Urban RM, Catelas IC, Skipor A, Schmalzried TP: Autopsy analysis thirty years after metal-on-metal total hip replacement. A case report. *J Bone and Joint Surg* 85A: 2218-2222, 2003
6. Campbell P, Shen FW, McKellop HA: Alternative bearing surfaces for young adult patients: Biological and tribological considerations. *Clin Orthop Rel Res* 418:98-111, 2004

7. Amstutz HC, Campbell PA, LeDuff M: Fracture of the neck of the femur after surface arthroplasty of the hip. *J Bone and Joint Surg* 86A: 1874-1877, 2004
8. Catelas I, Medley JB, Campbell PA, Huk OL, Bobyn JD: Comparison of in vitro with in vivo characteristics of wear particles from metal-metal hip implants. *J Biomed Mater Res - Applied Biomaterials*, 70B(2):167-78, 2004
9. Macdonald W, Campbell P, Fisher J, Wennerberg A: Variation in surface texture measurements. *J Biomed Mater Res* 70B:262, 2004
10. Jacobs JJ, Skipor AK, Campbell PA et al.: Can metal levels be used to monitor metal-on-metal hip arthroplasties? *J Arthroplasty*;19: 59-65, 2004
11. Beaulé PE, Le Duff M, Campbell P, et al: Metal-on-metal surface arthroplasty with a cemented femoral component: A 7-10 year follow-up study. *J Arthroplasty* 19:17-22., 2004
12. Milosev I, Pisot V, Campbell P: Serum levels of cobalt and chromium in patients with Sikomet metal-metal total hip replacements. *J Orthop Res* 23:526-35, 2005
13. Davies AP, Willert HG, Campbell PA, Learmonth ID, Case CP: An unusual lymphocytic perivascular infiltration in tissues around contemporary metal-on-metal joint replacements. *J Bone and Joint Surg* 87B:18-27. 2005
14. Beaulé PE, Campbell PA, Hoke R, Dorey F. Notching of the femoral neck during resurfacing arthroplasty of the hip. *J Bone Joint Surg Br.* 88-B:35-39, 2006
15. Beaulé PE, Campbell PA, Shim P:Femoral head blood flow during hip resurfacing. *Clin Orthop Rel Res*, epub Oct 2006
16. Campbell P, Beaulé PE, Ebramzadeh E, LeDuff M, De Smet K, Lu Z, Amstutz HC: A study of implant failure in metal-on-metal surface arthroplasties. Hip Society Charnley Award. *Clin Orthop Rel Res*, 453; 35-46, 2006
17. Catelas I, Campbell P, Bobyn JD, Medley JB, Huk OL: Wear particles from metal-on-metal total hip replacements: effects of implant design and implantation time. *J Eng Med; Proc Inst Mech Eng - Part H.* 220:195-208, 2006
18. Beaulé PE, Campbell P, Lu Z, et al. Vascularity of the arthritic femoral head and hip resurfacing. *J Bone and Joint Surg Am* 88 Suppl 4:85-96, 2007
19. Gill HS, Campbell PA, Murray DM, De Smet KA: Surgical technique to reduce thermal damage potential during hip resurfacing. *J Bone and Joint Surg Br*, 89:16-20, 2007
20. De Haan R, Campbell P, Reid S, Skipor A, De Smet K: Metal ion levels in an ironman triathlete with a metal-on-metal bearing hip prosthesis. A Case report. *J Bone and Joint Surg*, British in press April 2007