

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Gert Bronfort		POSITION TITLE Professor Director of the Neck and Back Research Program	
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Canadian Memorial Chiropractic College / Toronto, Canada	DC	1969	Doctor of Chiropractic
Vrije University of Amsterdam / Amsterdam, The Netherlands	PhD	1997	Extramural Medicine

**A. Positions and Honors.**

- 1969–1988 Private practice, Denmark  
 1973–1988 Chiropractic consultant on diagnostic radiology and radiological protection, Denmark  
 1973–1988 Director, Post-graduate radiology seminars, Danish Chiropractic Association  
 1974–1988 Research consultant, Danish Chiropractic Association  
 1978–1981 External examiner, Thesis Board of the Anglo-European College of Chiropractic, England  
 1988–Present Senior clinical researcher and Associate Professor/Professor, Wolfe-Harris Center for Clinical Studies, Northwestern Health Sciences University (NHSU)  
 1990–Present Reviewer, *The European Chiropractic Journal*  
 1992–1997 Grant reviewer, Consortium for Chiropractic Research  
 1992–Present Reviewer, *Journal of Manipulative and Physiologic Therapeutics*  
 1999–Present Consultant for the World Health Organization's Evaluation of Traditional Chinese and Alternative Medicine  
 2000–Present Member of Advisory Committee for Oregon Center for Complementary and Alternative Medicine (Funded by NCCAM of the National Institutes of Health)  
 2000–Present Member of the Cochrane Cervical Overview Group. McMaster University  
 2001– Associate editor, *Journal of Neuromusculoskeletal System (JNMS)*  
 2003 Associate editor, Cochrane Back Group

**B. Selected peer-reviewed publications.** Do not include publications submitted or in preparation.

- Bronfort G**, Jochumsen OH. The functional radiographic examination of patients with low-back pain: a study of different forms of variations. *J Manipulative Physiol Ther* 1984;7(2):89-97.
- Bronfort G**. Chiropractic treatment of low backache. A prospective study. *Ugeskr Laeger* (Danish Medical Journal) 1985;147(20):1611-8.
- Bronfort G**. Chiropractic treatment of low back pain: a prospective survey. *J Manipulative Physiol Ther* 1986;9(2):99-113.
- Bronfort G**. Chiropractic versus general medical treatment of low back pain: a small scale controlled clinical trial. *Am J Chiro Med* 1989;2(4):145-50.
- Bronfort G**. Chapter, Effectiveness of spinal manipulation and adjustments. In: *Principles and Practice of Chiropractic*, ed. Haldeman, Appleton and Lange, Norwalk, CT, 1992.

6. Boline P, Kassak K, **Bronfort G**, Nelson C, Anderson AV. Spinal manipulation vs. amitriptyline for the treatment of chronic tension-type headaches: a randomized clinical trial. *J Manipulative Physiol Ther* 1995;18(3):148-54.
7. Nielsen NH, **Bronfort G**, Bendix T, Madsen F, Weeke B. Chronic asthma and chiropractic spinal manipulation: a randomized clinical trial. *Clin Experimental Allergy* 1995;25(1):80-8.
8. **Bronfort G**, Goldsmith CH, Nelson CF, Boline PD, Anderson AV. Trunk exercise combined with spinal manipulative or NSAID therapy for chronic low back pain: a randomized observer-blinded clinical trial. *J Manipulative Physiol Ther* 1996;19(9):570-82.
9. **Bronfort G**. Asthma and Chiropractic. *European J Chiro* 1996;44(1):1-7.
10. **Bronfort G**. Chapter 7, Efficacy of spinal manipulation for headache and conditions other than spinal related pain: a systematic review and best evidence syntheses. In: *Efficacy of Manual Therapies of the Spine*, ed. The Netherlands, Thesis Publishers Amsterdam, 1997.
11. **Bronfort G**. Chapter 8, Efficacy of spinal manipulation and mobilization for low back and neck pain: a systematic review and best evidence syntheses. In: *Efficacy of Manual Therapies of the Spine*, ed. The Netherlands, Thesis Publishers Amsterdam, 1997.
12. **Bronfort G**. Efficacy of manual therapies of the spine: a critical appraisal and review of the literature. PhD thesis. Vrije Universiteit. The Netherlands: Thesis Publishers Amsterdam; 1997.
13. Nelson CF, **Bronfort G**, Evans R, Boline P, Goldsmith C, Anderson AV. The efficacy of spinal manipulation, amitriptyline and the combination of both therapies for the prophylaxis of migraine headache. *J Manipulative Physiol Ther* 1998;8(21):511-519.
14. **Bronfort G**. Spinal manipulation: current state of research and its indications. *Neurol Clin* 1999 Feb;17(1):91-111.
15. **Bronfort G**, Haldeman S. Spinal manipulation in patients with lumbar disc disease. *Seminars in Spine Surgery* 1999;11(2):97-103.
16. **Bronfort G**, Bouter LM. Responsiveness of general health status in chronic low back pain: A comparison of the COOP charts and the SF-36. *Pain* 1999;83(2):201-209.
17. **Bronfort G**, Evans R, Anderson A, Schellhas K, Garvey T, Marks R, Bittell S. Non-operative treatments for sciatica: a pilot study for a randomized clinical trial. *J Manipulative Physiol Ther* 2000 Oct;23(8):536-44.
18. **Bronfort G**, Evans R, Nelson B, Aker P, Goldsmith C, Vernon H. A randomized clinical trial of exercise and spinal manipulation for patients with chronic neck pain. *Spine* 2001 Apr;26(7):778-99.
19. **Bronfort G**, Assendelft WJJ, Evans R, Haas M, Bouter LM. Efficacy of spinal manipulation for chronic headache. a systematic review. *J Manipulative Physiol Ther* 2001 Sep;24(7):457-66.
20. **Bronfort G**, Evans R, Kubic P, Filkins P. Chronic pediatric asthma and chiropractic spinal manipulation: a prospective clinical series and randomized clinical pilot study. *J Manipulative Physiol Ther* 2001 Jul-Aug;24(6):369-77.
21. Evans R, **Bronfort G**, Nelson B, Goldsmith C. Two-year follow-up of a randomized clinical trial of spinal manipulation and two types of exercise for patients with chronic neck pain. *Spine* 2002;27(21):2383-2389.

### C. Research Support.

#### **BRONFORT, G.**

##### ONGOING

# 1 RO1 AT-000707-01 (Bronfort)

9/27/01–09/26/06

National Institutes of Health (NIH)

**Chiropractic, Medication, and Self-care for Neck Pain**

The major goals of this randomized, observer-blinded clinical trial is to identify effective therapies for neck pain sufferers and to increase our understanding of neck pain conditions.

Role: Principal investigator

#5 R18 HP 10009-02 (Bronfort)

09/01/00–08/31/03

Health Resources and Services Administration (HRSA)

**Manipulation, Exercise and Self-care for Low Back Pain**

The major goal of this study is to examine the relative efficacy of three interventions in terms of patient-rated outcomes in the short and long term for non-acute low back pain.

Role: Principal investigator

#5 R18 HP 10013-02 (Bronfort)

09/01/00–08/31/03

Health Resources and Services Administration (HRSA)

**Manipulation, Exercise and Self-care for Neck Pain**

The major goal of this study is to examine the relative efficacy of three interventions in terms of patient-rated outcomes in the short and long term for chronic neck pain.

Role: Principal investigator

#U24 AR45166-01 (Meeker)

10/01/97–9/30/02

NIH, NIAMS

**Center for Chiropractic Research**

The major goal of this project is to establish the Consortial Center for Chiropractic Research, which will provide an infrastructure to examine the potential effectiveness and validity of chiropractic health care and to provide appropriate assistance to researchers in developing high-quality research projects.

Role: Co-investigator

(Bronfort)

Consortial Center for Chiropractic Research (CCCR)

10/1/01–9/30/02

**Cost-Effectiveness of Chiropractic Care**

The major goal of the proposed research is to assess the cost-effectiveness and cost utility of chiropractic care and other treatments for LBP and NP.

Role: Principal investigator

1-T32-AT00487-01 (Grimm)

07/01/01–06/30/06

NIH-NCCAM

**Training a New Generation of CAM Clinical Investigators**

This project supports up to three post-doctoral fellows per year as part of the CAM Training Grant to train healthcare practitioners to conduct and evaluate clinical research in Complementary and Alternative Medicine (CAM). The program and the fellows it produces are expected to meet the growing need for qualified investigators capable of evaluating the safety and effectiveness of CAM therapies.

Role: Co-program director

*\*Although Dr. Bronfort is one of the Key Personnel for the project, under this funding mechanism, there is no specific level of effort assigned to his role as Co-Program Director in mentoring post-doctoral fellows.*

Funded by the Danish Public Health Insurance  
Research Fund and the European Research Fund

1999–2003

**A Cochrane Systematic Review of Noninvasive Physical Treatments for Chronic Headache**

The major goals of this project are to determine the strength of evidence supporting the use of noninvasive physical treatments for chronic headaches classified according to the IHS criteria, to determine whether there is evidence supporting a long term and/or a short term effect, and to quantify and compare the magnitude of effects of specific noninvasive physical treatments for chronic headache.

Role: Principal investigator

*\*\*This ongoing project does not require a specific level of effort. Support for this research is made available as-needed through the funders on an expense reimbursement basis; there is no designated, direct fiscal award to NWSU.*

1-K30-AT00068-01 (Grimm)

9/30/02-9/29/07

NIH-NCCAM

**Training CAM Clinical Investigators**

The purpose of this grant is to provide education and training for health care practitioners to conduct clinical research in complementary and alternative medicine. The proposed training program will be a collaborative effort between Minneapolis Medical Research Foundation, Northwestern Health Sciences University (Bloomington, MN) and the University of Minnesota.

COMPLETED

Bronfort (PI)

Foundation for Chiropractic Education & Research (FCER)

1998–1999

**Randomized Clinical Trial of Conservative Therapies for Sciatica: a Pilot Study**

The major goals of this project are to evaluate the feasibility of recruiting sufficient numbers of eligible patients for the randomized clinical trial, to develop and assess the data collection and analysis protocols for the cost effectiveness analysis, and to provide variability estimates of the outcome measures for sample size calculations for the randomized trial.

Role: Principal investigator

Bronfort (PI)

Consortial Center for Chiropractic Research (through NIH/NCCAM) 1999–2000

**Conservative Treatments for Neck Pain: a Pilot Study**

The major goals of this project are to evaluate the feasibility of recruiting eligible patients for a randomized clinical trial; to assess the ability and willingness of patients and clinicians to comply with study assessment and treatment protocols; develop and optimize the data collection process, particularly for the cost-effectiveness data; and to provide accurate variability estimates for sample size calculations for the full-scale randomized trial.

Role: Principal investigator

Bronfort (PI)

Foundation for Chiropractic Education & Research (FCER)

1999–2000

**Non-Operative Treatments for Sciatica: a Pilot Study**

The major goals of this project are to assess the feasibility of patient recruitment, the ability of patients and clinicians to comply with study protocols, and the utility of data collection instruments to collect cost-effectiveness data. Finally, to obtain variability estimates for sample size calculations for a full-scale trial.

Principal Investigator/Program Director (*Last, first, middle*): Bronfort, Gert

Role: Principal investigator