AGREEMENT

This Software was developed by the Research Group of Quantitative Psychology and Individual Differences and is owned by the Katholieke Universiteit Leuven, for the purpose of this Agreement represented by the Research Group of Quantitative Psychology and Individual Differences and hereinafter referred to as KULEUVEN. By downloading and or installing the Software and associated files on your computing system you agree to use the Software under the terms and condition as specified in this Agreement.

Article 1 - Definitions

1.1 "Software" shall mean KULEUVEN's software described in Annex A including the source code.

1.2 "Additions" shall mean lines of code, which are added to the Software and which optimize an existing functionality of the Software.

1.3 "Module" shall mean lines of code, which add a new functionality to the Software regardless of the fact that this new function is operative without the Software.

1.4 "Effective Date" shall mean the date on which you download or install the Software and associated files on your system.

Article 2 - License

2.1 You shall have a non-exclusive, non-transferrable license to the Software supplied by KULEUVEN for Academic Purposes. All other uses are prohibited, except to the extent provided in any separate agreement. You acknowledge and agree that you may not use the Software for commercial purpose without first obtaining a commercial license from K.U.LEUVEN.

2.2 For the purposes of this Agreement "use for commercial purposes" shall include the use or transfer of the Software for a consideration as well as the use of the Software to support commercial activities.

2.3 Any use of Software for commercial purposes without first obtaining a license from KULEUVEN shall be deemed a breach of this Agreement for which KULEUVEN shall be entitled to whatever remedies it may have under law or equity, including recovery of consequential damages.

2.4 You shall not sublicense any of your rights to the Software. Neither will you transfer the Software to a third party, unless prior written agreement of KULEUVEN has been obtained.

2.5 KULEUVEN retains the right to the Software. Nothing in this Agreement shall preclude KULEUVEN from entering into agreements with third parties concerning the Software.

Article 3 - Ownership

3.1 The Software is copyrighted and KULEUVEN retains all title and ownership to the Software.

3.2 In case you introduce an Addition to the Software, the KULEUVEN will be informed immediately of the existence and nature of such Addition. Additions will become the property of KULEUVEN.

3.3 Any Modules you create shall remain your property. Nevertheless, you will inform KULEUVEN on the existence and nature of any Module created under this Agreement.

Moreover, you will, upon request of KULEUVEN, make available the Modules to KULEUVEN for use for Academic Purposes.

Article 4 - Confidentiality/Publication

4.1 Each of the Parties agrees to keep strictly confidential any information, technical as well as commercial, obtained from another Party under this Agreement and not to communicate such information to third parties. This obligation of confidentiality is not applicable to information:

- of which the receiving party was already in the possession at the time the information was acquired from the disclosing party;
- which was, at the time the information was acquired by the receiving party, already common knowledge;
- which became common knowledge after it was received from the disclosing party and without any fault of the receiving party;
- which the receiving party acquired from a third party who was in good faith and in possession of the information and allowed to disseminate the information without confidentiality obligations;
- of which the receiving party can prove that the information was developed by the receiving party independently from the knowledge and skills or experiences received from the disclosing party.

4.2 The Parties have at all times the right to publish articles regarding the Software and regarding output as obtained from the Software, provided that the above obligation of confidentiality is respected. In all such articles, however, an explicit reference citation to all papers as listed in Annex A has to be included.

Article 5 - Financial Arrangements

5.1 The Software will be provided at no cost.

Article 6 - Third party rights

6.1 You will indemnify and hold harmless KULEUVEN against any damages, costs (including attorneys' fees and costs) or other liability arising from claims that your use of the Software as provided under this Agreement, infringe any patent, copyright, trade secret, or intellectual property right of any third party. However, in no event you will have the obligation to indemnify and hold harmless KULEUVEN against any damages, costs or other liability arising from claims solely based on agreements between KULEUVEN and third parties.

Article 7 - Warranty

7.1 The Software is provided "as is" by KULEUVEN without warranty of any kind, whether express or implied. KULEUVEN specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

7.2 KULEUVEN shall not be responsible for any loss, direct or indirect damage or other liability incurred by you or any third party in connection with the Software licensed by KULEUVEN under this Agreement. Under no circumstances shall KULEUVEN be liable for any direct, indirect, special, incidental, or consequential damages arising out of any performance of this Agreement, whether such damages are based on contract, tort or any other legal theory. You shall defend, indemnify and hold harmless

KULEUVEN from all losses, damages, expenses, costs and other liabilities in connection with your use or disclosure of the Software.

Article 8 - Term

8.1 This Agreement is effective from the Effective Date until you delete the Software and any and all related files from your computing system.

8.2 In case of termination the provisions of Article 3, 4, and 7 shall remain in full force and effect.

Article 9 - Miscellaneous

9.1 Any notice authorised or required to be given to KULEUVEN under this Agreement shall be in writing and shall be deemed to be duly given if left at or sent by registered post or facsimile transmission addressed to:

Research Group of Quantitative Psychology
and Individual Differences

Address: Tiensestraat 102
B-3000 Leuven
Belgium

Fax: 016 32 59 93

Attention: Head of the Research Group

9.2 You shall not assign this Agreement wholly or partially to any third party without the prior written consent of the other two parties.

9.3 Any modifications or supplements to this Agreement shall be in writing and duly signed by the Parties hereto to become legally binding.

9.4 The terms and conditions herein contained constitute the entire agreement between the Parties and supersede all previous agreements and understandings, whether oral or written, between the parties hereto with respect to the subject matter hereof.

Article 10 - Conflicts

10.1 In the event of conflicts in the interpretation and/or performance of this Agreement, the parties shall first undertake to settle their differences amicably. If no amicable settlement can be reached concerning the execution and/or interpretation of this Agreement, such conflict shall be brought before the courts of Leuven and Belgian Law shall be applicable.

Annex A :

Description of the Software

GENEFOLD is a collection of MATLAB files that implement an algorithm for the multidimensional unfolding (MDU) analysis of large data sets. Briefly said, the MDU analysis of a microarray expression dataset results in a set of coordinates for both the genes and conditions for which it holds that the Euclidean distances reflect the expression levels: the closer a condition is located to the gene, the higher the gene is expressed in that condition. The GENEFOLD algorithm can be characterized as an alternating least squares and iterative majorization algorithm with the following special features:

- the sequence of loss function values converges to a local minimum,
- restrictions are built in to avoid degenerate solutions,
- the computations are based on simple mathematical operations such that an efficient algorithm is obtained that can handle large data sets in a limited amount of time.

Van Deun, K., Marchal, K., Heiser, W.J., Engelen, K., & Van Mechelen, I. (2007). *Joint mapping of genes and conditions via multidimensional unfolding.* BMC Bioinformatics 8: 181.