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|  **BIOGRAPHICAL SKETCH**  |
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|  NAME |  POSITION TITLE |
|  Kevin L. Behar |  Associate Professor |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training).* |

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|  INSTITUTION AND LOCATION |  DEGREE *(if applicable)* |  YEAR(s) |  FIELD OF STUDY |
| University of Iowa, Iowa City, IAYale University, New Haven, CTYale University, New Haven, CTYale University, New Haven, CT | B.S.M. Phil.Ph.D.Postdoc | 1979198519851985-86 | Biochemistry (honors)Mol. Biochem/BiophysicsMol. Biochem/BiophysicsNeurometabolism/NMR |
| RESEARCH AND PROFESSIONAL EXPERIENCE:  |

1. **Positions**

1985-86 Postdoctoral Research Associate, Dept. Molecular Biophysics & Biochemistry, Yale Univ.

1986-88 Associate Research Scientist, Dept. Molecular Biophysics and Biochemistry, Yale University.

1989-94 Assistant Professor, Dept. Neurology, Yale University.

1994-2001 Research Scientist, Department of Neurology, Yale University.

1998-present Director, MRRC Neurometabolism Research Laboratory, Yale Magnetic Resonance Center

2001-2006 Research Scientist, Department of Psychiatry, Yale University.

2001-2006 Director, MRS/MRI Core of Yale/NIDDK Mouse Metabolic Phenotyping Center

2006-present Associate Professor, Dept Psychiatry; Director, Animal Spectroscopy & Metabolomics

**B. Selected Publications**

**Behar KL**, den Hollander JA, Stromski ME, Ogino T, Shulman RG, Petroff OAC, Prichard JW (1983). High resolution 1H

 nuclear magnetic resonance study of cerebral hypoxia in vivo. Proc. Natl. Acad. Sci. (USA). 80: 4945-4948.

Prichard JW, Alger JA, **Behar KL**, Petroff OAC, Shulman RG (1983) Cerebral metabolic studies in vivo by 13P NMR.

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 (USA). 82: 1633-1637.

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 spectroscopy in status epilepticus. Ann Neurol. 16:169-177.

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 acid metabolism and pHi in vivo, measured by 1H and 31P NMR. J. Neurochem. 52: 741-749.

Fitzpatrick SM, Hetherington HP, **Behar KL**, Shulman RG (1990). The flux from glucose to glutamate in the rat brain in vivo

 as determined by 1H-observed, 13C-edited NMR spectroscopy. J. Cereb. Blood Flow Metab. 10: 170-179.

**Behar KL**, Ogino T (1991). Assignment of resonances in the rat brain by two-dimesional shift correlated and J-resolved

 NMR spectroscopy. J. Magn. Reson. Med. 17: 285-303.

Mason GF, **Behar KL**, Rothman DL, Shulman RG (1992). NMR determination of intracerebral glucose concentration and

 transport kinetics in rat brain. J. Cereb. Blood Flow Metab. 12: 448-455.

Mason GF, Rothman DL, **Behar KL**, Shulman RG (1992). NMR determination of the TCA cycle rate and α-ketoglutarate/

 glutamate exchange rate in rat brain. J Cereb. Blood Flow Metab 12: 434-447.

Rothman DL, Petroff OAC, **Behar KL**, Mattson RH (1993) Localized 1H NMR measurements of GABA in human brain in

 vivo. Proc. Natl. Acad. Sci. USA, 90: 5662-5666.

**Behar KL**, Ogino T (1993) Characterization of macromolecule resonances in the 1H NMR spectrum of rat brain. Magn.

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 human brain. Magn. Reson. Med., 32:294-302.

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## Mason GF, Behar KL, Krystal JH, Rothman DL (2001) Aplicações da ressonância magnética para a medidas espectróscpicos da neurotransmissão (review), Rev. Bras. Psiquiatr. 23 (Supl 1):6-10.

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