

Medical Mass Spectrometry

Vol. 5 No. 1, 2021

Guest Editor, Masaya Ikegawa

Preface

The 45th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry
 Masaya Ikegawa, Nariyasu Mano, Toshimitsu Niwa 1

Research Papers

Dopamine enhances the glial endocannabinoid signaling
 Hiroshi Ochi, Yukari Hirata, Makoto Hamajima, Ichiro Isobe, Kazuo Igarashi 2

Application of a UHPLC-MS/MS method to investigate the metabolic pathways of Alzheimer's disease and dementia with Lewy bodies using postmortem cerebrospinal fluid and serum samples
 Yoshio Murguruma, Haruhito Tsutsui, Yoshio Hashizume, Hiroyasu Akatsu, Koichi Inoue 11

Development of a method for quantification of serum dehydroepiandrosterone sulfate by stable isotope-dilution MALDI-MS
 Shoujiro Ogawa, Masahiro Nakamura, Mamoru Satoh, Takayuki Ishige, Fumio Nomura, Yuki Sugiura, Tatsuya Higashi 22

N-acetyl-seryl-aspartyl-lysyl-proline: A new potential serum biomarker of rheumatoid arthritis
 Yusuke Oguri, Yohei Kawaguchi, Naoe Tatematsu, Yuji Joyo, Ken Mizuguchi, Hiroki Yonezu, Hideki Okamoto, Masahiro Nozaki, Makoto Kobayashi, Gen Kuroyanagi, Hisaki Aiba, Kiyofumi Asai, Koichi Inoue, Hideki Murakami, Yuko Waguri-Nagaya 28

Identification of nine proteins in whole lung extract derived from bleomycin-induced interstitial pneumonia model mouse by two-dimensional electrophoresis/*in-gel* digestion/ MALDI-TOF MSMS analysis
 Takaaki Ishida, Takuya Kotani, Yoko Tabushi-Matsumura, Toyofumi Nakanishi, Tohru Takeuchi 38

Application of MALDI-TOF MS analysis for rapid discrimination of free immunoglobulin light chains, kappa and lambda isotypes in patients with monoclonal immunoglobulin gammopathy
 Shuichi Asano, Ryota Masutani, Kazuhito Ueda, Kazuo Igarashi, Takashi Nirasawa, Meri Kubota, Yoko Tabushi-Matsumura, Naofumi Osaka, Toyofumi Nakanishi 47



Japanese Society for
 Biomedical Mass Spectrometry