table of CONTENTS

DECEMBER 2019 I ISSUE 36

- **01** INTRODUCTION
- **02** MEDPULSE
- **04** MEDBULLETIN
- **06** PATHOPROFILE
- **08** BIOTECH BLUEPRINT
- **10** NEUROABSTRACTS
- 12 VIEWPOINTS

CRITICAL REVIEW

- 14 Tick-borne diseases: From well-known Lyme disease to deadly Powassan encephalitis
- **18** A critical review of pyruvate kinase deficiency

RESEARCH INSIGHT

- 22 Developing a qualitative chemotaxis-sensitive assay for bacteriophage-host interactions on *E. coli* BW2511
- **26** INTERVIEW SPOTLIGHT
- **29** CONTRIBUTORS

TOC ARTIST MANREET DHALIWAL COVER ARTIST PERI REN

