



# Table of contents

|                                   |   |
|-----------------------------------|---|
| Wednesday 28 September 2016 ..... | 1 |
|-----------------------------------|---|

# Workshop on Knots and Links in Biological and Soft Matter Systems | (smr 2881)

## Wednesday 28 September 2016

### Wednesday, 28 September 2016 - Leonardo Building - Budinich Lecture Hall (09:00-18:50)

| time  | title  | presenter        |
|-------|--|------------------|
| 09:00 | Beyond the Static Structural Models of Watson and Crick: Dynamic Supercoiling Drives DNA Metabolism      | LYNN ZECHIEDRICH |
| 09:50 | Generation of Supercoils in Nicked and Gapped DNA Drives DNA Unknotting and Postreplicative Decatenation | DUSAN RACKO      |
| 10:40 | Coffee Break   |                  |
| 11:10 | Vortex Knots Cascade by HOMFLYPT Polynomial  | RENZO RICCA      |
| 12:00 | Global Theory of Knots in Nematic Liquid Crystals  | GARETH ALEXANDER |
| 12:50 | GROUP PHOTO  |                  |
| 13:00 | Lunch break  |                  |
| 14:50 | FREE AFTERNOON   |                  |