

# ROMAN CITIES

Barcelona

Spain, Europe

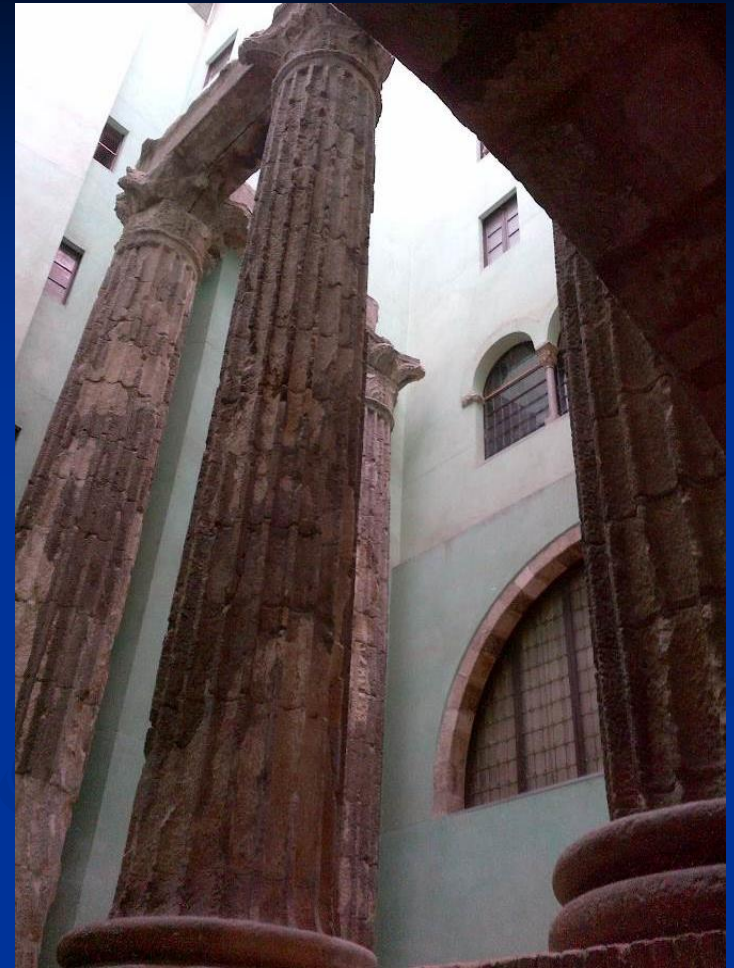
Rosa M. Ros

*International Astronomical Union  
Technical University of Catalonia, Spain,*



Barcelona was founded by the Roman Empire in the 1st century BC. (it was called Iulia Augusta Faventia Paterna Barcino) on a small hill called "Mons Taber".

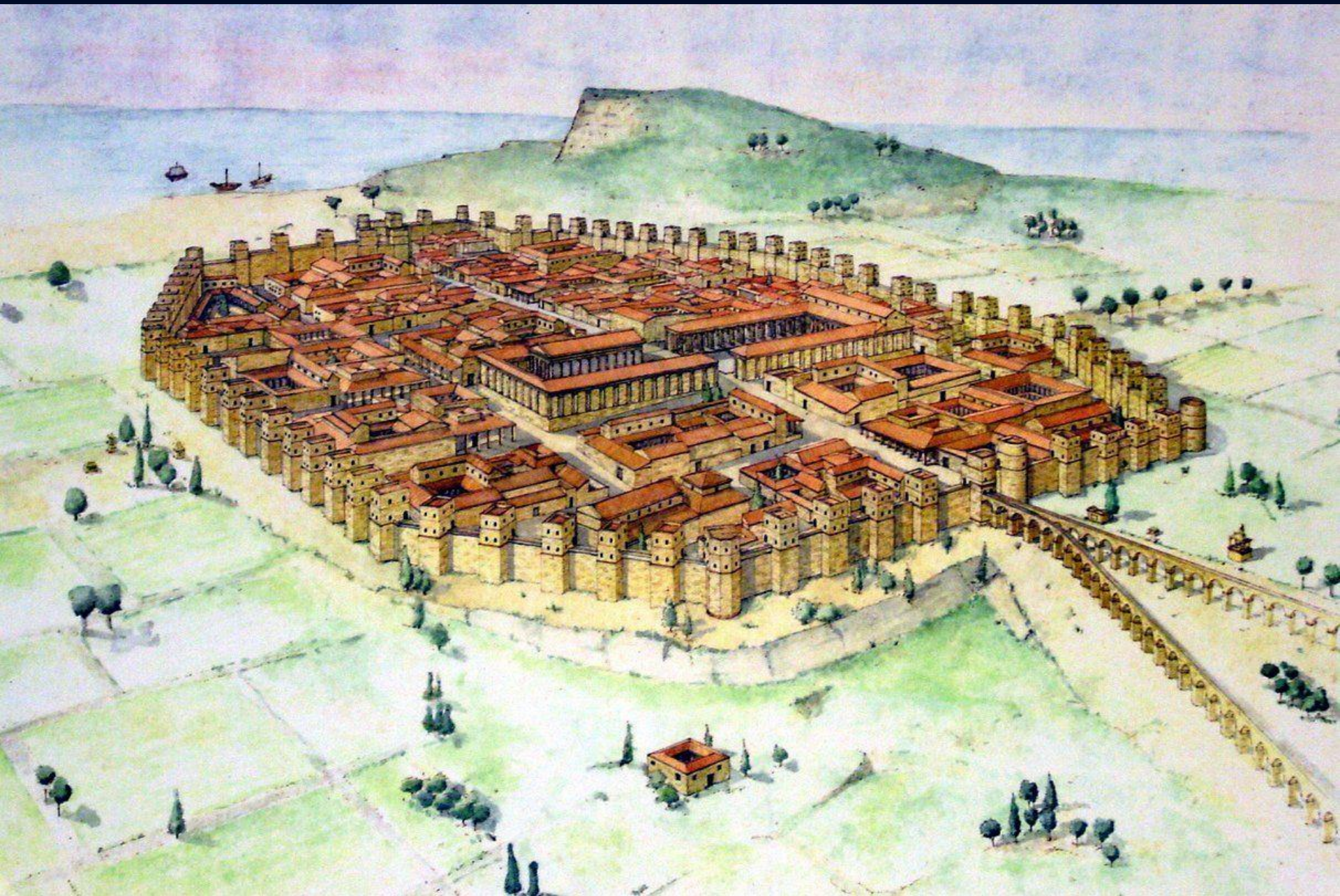
The Temple of Augustus was located at the highest point of Mons Taber



Barcino was crossed by the Decumanus maximus (main street with approximate orientation from east to west), which crossed the city from Porta Praetoria (Portal del Bisbe now), passing through the current streets of Bisbe, Ciutat and Regomir to Porta Decumana.



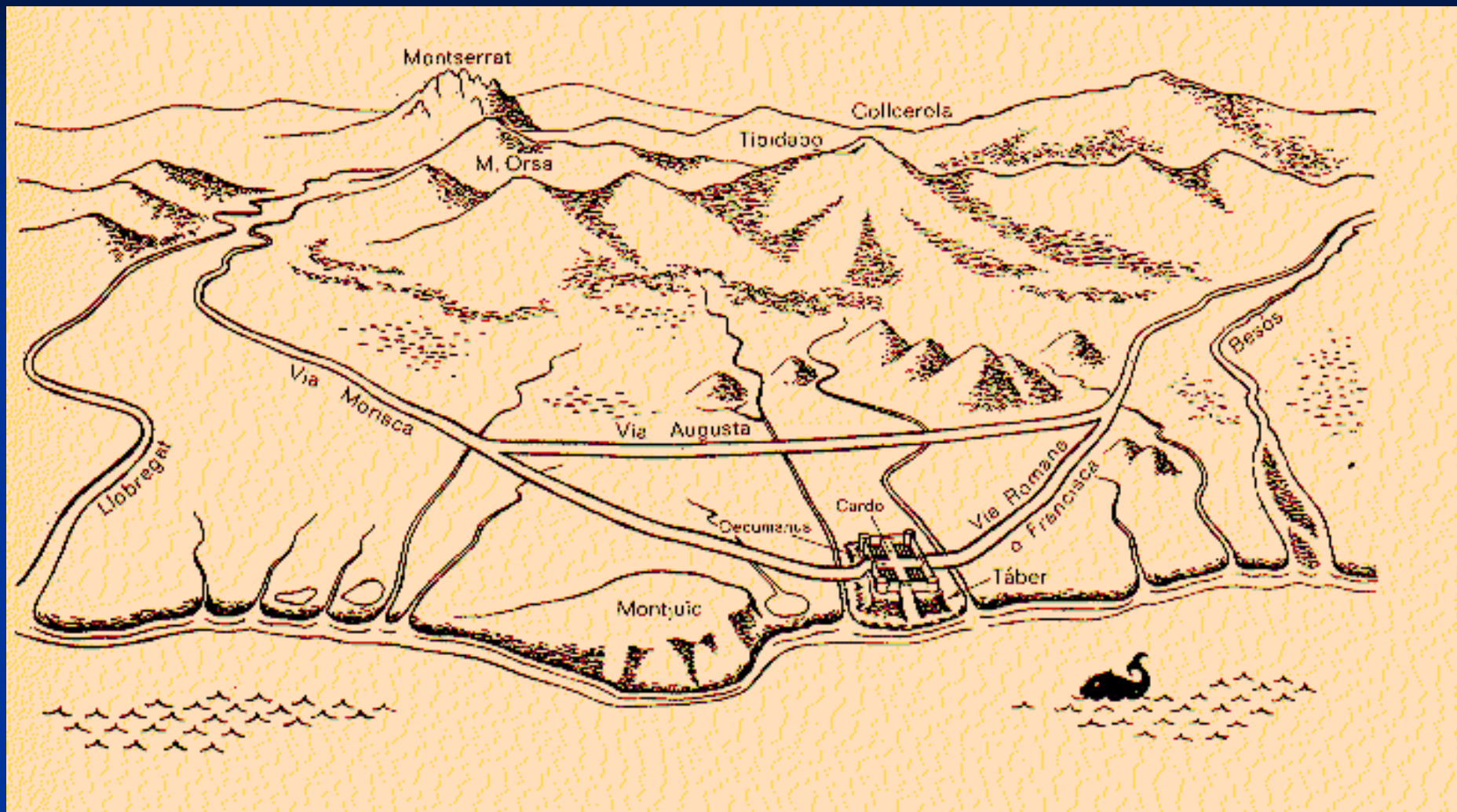






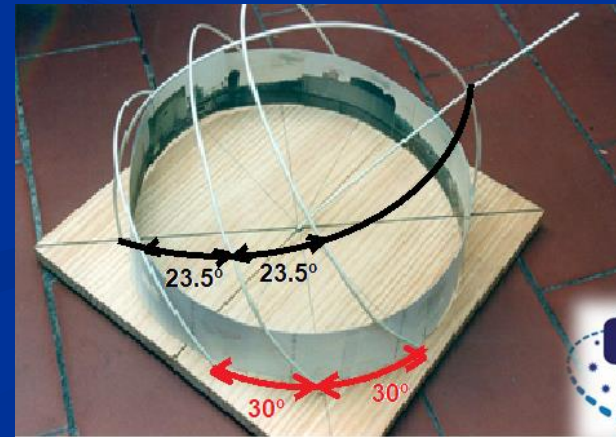
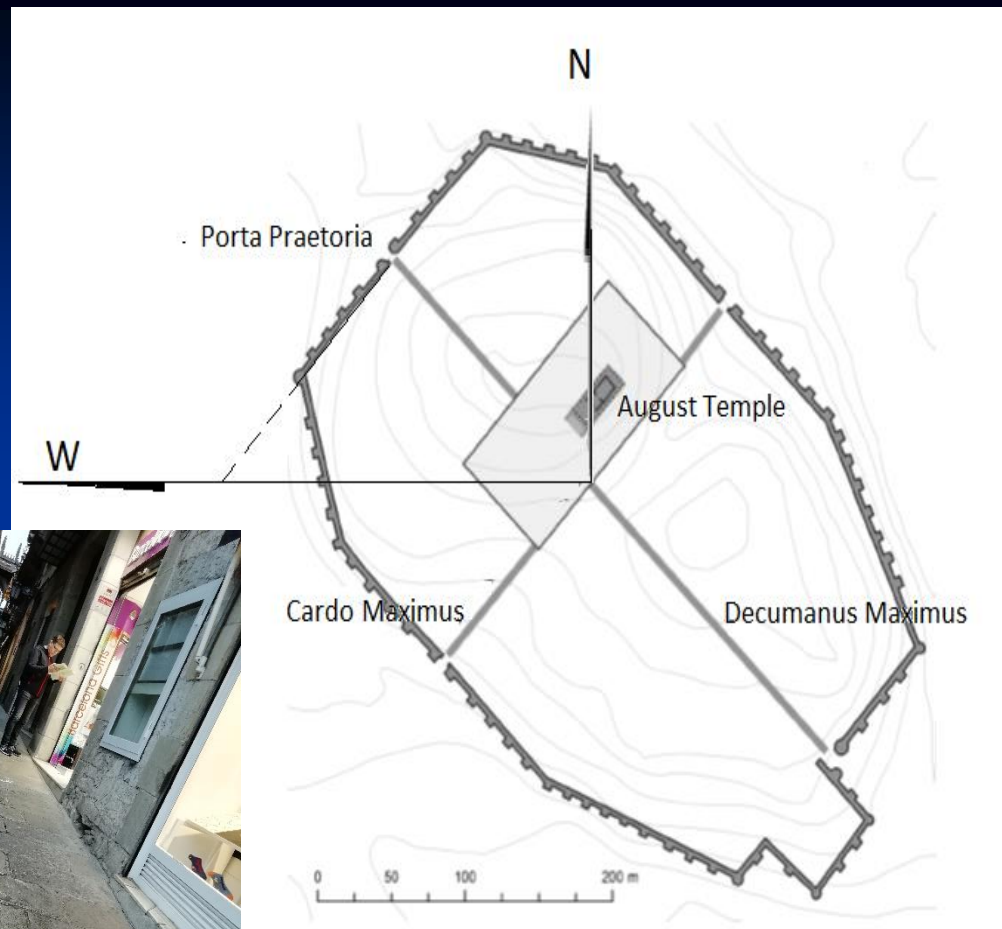
The *Cardo maximus* that connected the *Porta Principalis Sinistra* (now Pl. Berenguer el Gran) and the *Porta Principalis Dextra* (which was between Ferran and Call streets), passing *Llibreteria* and *Call* streets.







The Decumanus Maximus (East-West) is easy to find in present-day Barcelona and it is not difficult to calculate its angle to the west and compare the result obtained with the results of professional archaeoastronomers.



For example, the table summarizes the result of a study carried out by J. A. Belmonte on 270 urban structures and military settlements measured

Declination	Festivity	Zone
+15°	May 1st	Origin Celtic, Galia
+12°	Sunrise April, 21st <b><i>Roma Foundation</i></b>	Cartago Nova Nord-West Hispania Galia and Germania
+7 °	Sunrise and Sunset March, 1st <b><i>Mars Festivity</i></b>	Britania, Limes Arabicus and Limes Germanicus
0°	Equinox March, 21st September, 21st	Iberic origin North of Africa and nest to the East Berberes Group
-15°	November, 1st	
-23,5°	Sunset, Winter solstice December, 21st <b><i>Saturnalias</i></b>	East and West of Rome





**Many Thanks  
for your attention !**

