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Selective recognition of Histidine enantiomers using novel molecularly imprinted organic transistor sensor

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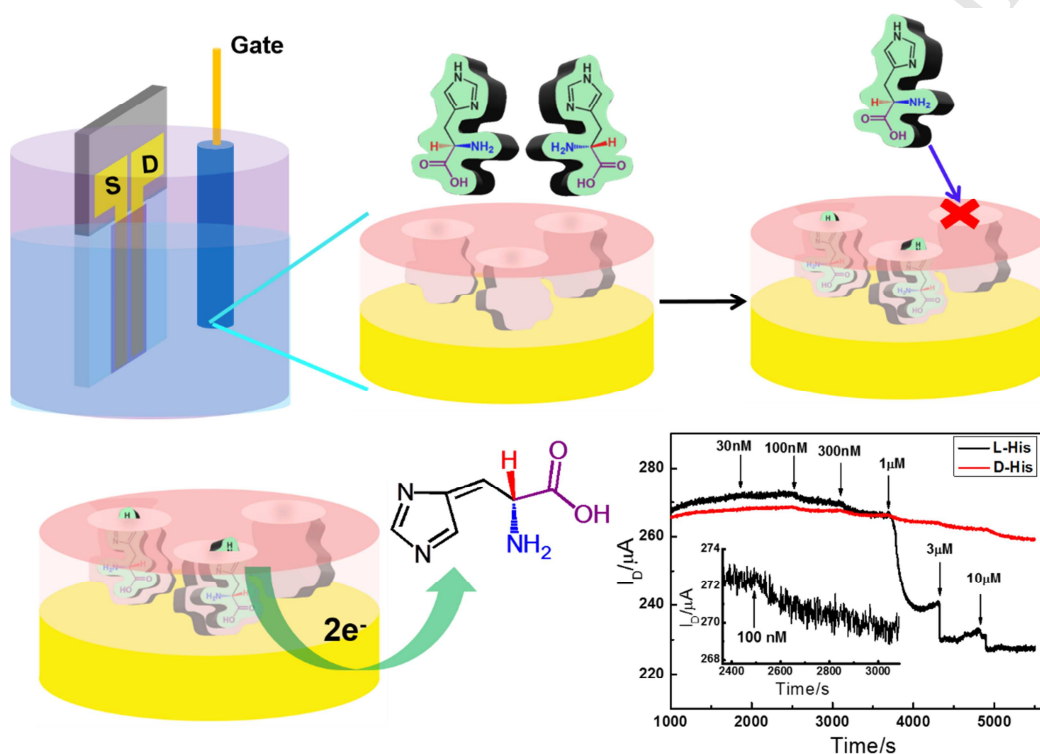
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An chiral recognition Histidine sensor was developed. MIP films designed for specifically recognizing His combined with the amplified function of an OECT yielded Lower LOD for D-His and L-His of 10 nM and 100 nM, and high selectivity for His Enantiomers. The constructed sensor has potential applicability for detection of L-His in human urine samples.



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